

SMALL ARMS REPAIR (2111) PROGRAM OF INSTRUCTION

RECORD OF CHANGES

Log completed change action as indicated:

[illegible]

SMALL ARMS REPAIR (2111) PROGRAM OF INSTRUCTION

PREFACE

1. The small arms repairer course is designed to provide instruction for the tasks listed in Section I Appendix B of this POI. The terminal learning objectives for each lesson in Section IV have been developed from the task list.
2. All agencies and commands receiving graduates of this course, and specifically those sighted in Section VI, are requested to review the contents of this POI and evaluate performance of the graduates against field requirements. Comments and recommendations may be submitted to:

COMMANDING OFFICER
Marine Detachment
U. S. Army Ordnance Center and School
4403 Springfield Ave.
Aberdeen Proving Ground, Maryland 21005-5281
ATTN: Curriculum Development Supervisor

3. The following information for this course has been submitted for inclusion in the current edition of NAVMC 2771 (Formal School Catalog):

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SMALL ARMS REPAIR (2111) PROGRAM OF INSTRUCTION

SECTION I - COURSE DESCRIPTIVE DATA

1. COURSE TITLE. SMALL ARMS REPAIRER
2. LOCATION. United States Marine Corps, Marine Detachment, U.S. Army Ordnance Center and School, Aberdeen Proving Ground, MD 21005-5281
3. COURSE ID. A0121M1
4. OTHER SERVICE COURSE NUMBER. 641-2111
5. MILITARY ARTICLES AND SERVICE LIST NUMBER. N/A
6. PURPOSE. To train enlisted personnel in Small Arms maintenance procedures including individual and crew served weapons, inspection procedures, administrative forms and records, and armory procedures.
7. SCOPE. The course focuses on the inspection, maintenance and security of small arms weapons to include shoulder fired weapons, handguns, machine guns, mortars, armory procedures, and administrative forms and records.
8. LENGTH (PEACETIME). 45 Training Days
9. CURRICULUM BREAKDOWN (PEACETIME).
 - 318.00 Academic Hours
 - 0.50 Administrative
 - 7.50 Demonstration
 - 49.60 Lecture
 - 199.50 Practical Application
 - 46.80 Performance Exam
 - 14.10 Written Exam
 - 40.00 Administrative Hours
 - 16.00 Administrative
 - 16.00 Commanders Time
 - 8.00 Guided Discussion
10. LENGTH (MOBILIZATION). 36 Training Days
11. CURRICULUM BREAKDOWN (MOBILIZATION). Same as Peacetime.
12. MAXIMUM CLASS CAPACITY. 8
13. OPTIMUM CLASS CAPACITY. 8
14. MINIMUM CLASS CAPACITY. 4
15. CLASS FREQUENCY. 48
16. STUDENT PREREQUISITES.
 - a) Must have an MM score of 95 or higher.
 - b) Must be able to pass the Command Arms, Ammunition, and Explosive (AA&E) screening IAW MCO 5530.14.
 - c) No conviction by court-martial, civilian court or nonjudicial punishment of any act involving larceny, theft, or drugs.
17. MOS RECEIVED. 2111
18. QUOTA CONTROL. Training Command (C475)
19. FUNDING. TECOM (C464)

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SECTION I - COURSE DESCRIPTIVE DATA

20. REPORTING INSTRUCTIONS. Students report to the Commanding Officer, Marine Detachment, U.S. Army Ordnance Center & School, Aberdeen Proving Ground, Maryland 21005. All students should report in by 2359 the Wednesday prior to the start date. Report to Bldg 4501, Randolph Barracks, Commercial phone 1-800-392-2015 ext: 5703 or DSN: 298-5703. Marines will report in the Service Alpha uniform. Privately Owned Vehicles (POV) and family members are not authorized. Government Messing and Billeting are available.

21. INSTRUCTOR STAFFING REQUIREMENTS. See Appendix A for Instructor Computation Worksheet.

LN#	GRADE	MOS	BILLET DESCRIPTION	REQUIRED
197E	E7	2111	COURSE SNCOIC/INSTRUCTOR	1
197F	E7	2111	INSTRUCTOR	1
197G	E6	2111	INSTRUCTOR	9
197H	E5	2111	INSTRUCTOR	6

22. SCHOOL OVERHEAD REQUIREMENTS.

LN#	GRADE	MOS	BILLET DESCRIPTION	REQUIRED
193A	O4	2102	COMMANDING OFFICER/MC REP	1
193B	O3E	2102	XO/INSTRUCTOR	1
193C	E8	9999	FIRST SERGEANT	1
193E	E3	2161	POLICE SERGEANT	1
194A	E6	0193	ADMIN CHIEF	1
194B	E5	0151	ADMIN CLERK	1
194C	E4	0121	UNIT DIARY CLERK	1
194D	E3	0121	UNIT DIARY CLERK	1
194E	E4	0121	PERSONNEL CLERK	1
194F	E3	0151	ADMIN CLERK	2
195A	O3E	2102	CRS DEV SUPERVISOR	1
195C	E7	2111	ACADEMIC COORDINATOR	1
195D	E6	2146	CURRICULUM DEV/INSTRUCTOR	1
195E	E6	2111	CURRICULUM DEV/INSTRUCTOR	1
196A	E7	3043	SUPPLY CHIEF	1
196B	E4	3043	SUPPLY NCO	1
196C	E3	3043	SUPPLY CLERK	1
196D	E3	3043	SUPPLY CLERK	1
197A	W-3	2120	PLT COMDR/COURSE DIR	1
197C	E8	2181	SENIOR INSTRUCTOR	1
1990	E9	2181	MOS SPECIALIST	1
199P	E6	2171	CURRICULUM DEV/INSTRUCTOR	1
199S	E6	0369	PLATOON SERGEANT	3
UNK1	E6	2100	MAT PLT SGT	1
UNK3	E7	2100	S-3 OPERATIONS & TRAINING/SACO	1
UNK4	E7	2100	DETACHMENT GUNNERY SERGEANT	1
UNK6	E7	2100	ISC/COMPUTER REPAIR/NETWORK ADMIN	1

Comments Line# UNK1 : Marines Awaiting Training, one instructor is tasked with this duty for 6 months out of the year. This billet is a full time job and the Marine is taken from one of the platoons.

Comments Line# UNK3 : This billet is a full time job, which is responsible for all permanent party training and the Marine is taken from one of the platoons.

Comments Line# UNK4 : The Detachment Gunnery Sergeant is in charge of barracks, grounds and maintenance. This billet is a full time job and the Marine is taken from one of the platoons.

Comments Line# UNK6 : The ISC is responsible for all the computer assets and LAN connections throughout the Detachment. This billet is a full time job and the

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SECTION I - COURSE DESCRIPTIVE DATA

Marine is taken from one of the platoons.

23. TRAINING/EDUCATION SUPPORT REQUIREMENTS.

The following facility requirements are identified for one iteration of this course:

<u>FACILITY</u>	<u>FACILITY ID</u>	<u>SQ FT</u>	<u>REQ'D</u>	<u>ON HAND</u>	<u>SHORT</u>
*CLASS ROOM	-	735	10	10	0
ARMORY	-	900	1	1	0
INSTRUCTOR OFFICE	-	735	1	1	0

The following materiel requirements are identified for one iteration of this course:

<u>NOMEMCLATURE</u>	<u>NSN</u>	<u>UNIT OF ISSUE</u>	<u>REQ'D</u>	<u>ON HAND</u>	<u>SHORT</u>
*(W/O LIN) FIXTURE BARREL VISE JAWS	4933-00-070-9151	EACH	11	11	0
*(W/O LIN) M252 MORTAR	1015-01-164-6651	EACH	11	11	0
*(W/O LIN) TORQUE WRENCH, 0 TO 60 FT-LB	5120-00-347-2536	EACH	11	11	0
**AN/PVS-14 NIGHT VISION DEVICE	5855-01-432-0524	EACH	6	6	0
**AN/PVS-4 NIGHT VISION SIGHT	5855-01-017-7366	EACH	6	6	0
**AN/PVS-7B NIGHT VISION GOGGLES	5855-01-228-0937	EACH	6	6	0
**AN/TVS-5A NIGHT VISION SIGHT	5855-01-422-8777	EACH	8	8	0
*BARREL EROSION GAGE	5210-00-082-1714	EACH	11	11	0
*BOREScope, M3	6650-01-063-0035	EACH	3	3	0
*CALIPER, VERNIER, ENGLISH/METRIC, 0 TO 12 INC	5210-00-293-2913	EACH	11	11	0
*COVER DETENT PLUNGER DISSASSEMBLY TOOL M240	4933-01-038-7183	EACH	11	11	0
*EJECTOR REMOVING TOOL	4933-01-038-7179	EACH	11	11	0
*FIRING PIN LENGTH GAGE M240	4933-01-043-9451	EACH	11	11	0
*FIRING PIN PROTRUSION GAGE M240	4933-01-043-9450	EACH	11	11	0
*FIRING PIN PROTRUSION GAGE	5120-00-345-6122	EACH	11	11	0
*GAGE KIT DIRECT SUPPORT, F/M240	5180-01-147-2467	EACH	11	11	0
*GAGE KIT GENERAL SUPPORT, F/M240	5180-01-147-2467	EACH	11	11	0
*GAGE KIT M249 SAW	5180-01-150-0357	EACH	11	11	0
*GAGE KIT, PULLOVER	4933-00-348-8652	EACH	3	3	0
*GAGE, PROTRUSION FIRING PIN F/M203	0000-00-000-0000	EACH	11	11	0
*GAGE, STRIKER PROTRUSION	5220-99-960-5280	EACH	11	11	0
*HEADSPACE GAGE WARNING	4933-01-043-8211	EACH	11	11	0
*KIT, BARREL EROSION GAGE M6	4933-00-300-5338	EACH	11	11	0
*LAUNCHER, GRENADE, 40MM, 1-SHOT/RFL-MTD, M203	1010-00-179-6447	EACH	11	11	0
*M240 MACHINE GUN	1005-01-025-8095	EACH	11	11	0
*MACHINE GUN, 40MM MK19, MOD 3	1010-01-126-9063	EACH	11	11	0
*MACHINE GUN, M2	1005-00-322-7095	EACH	11	11	0
*MACHINEGUN, LIGHT M249 SAW	1005-01-127-7510	EACH	11	11	0

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SECTION I - COURSE DESCRIPTIVE DATA

*MORTAR, 60MM M224	1010-01-020-5626	EACH	11	11	0
*MOUNT, MK64	1010-01-180-9319	EACH	11	11	0
*MUZZLE AND BREECH BORE EROSION M240	5220-01-082-5564	EACH	11	11	0
*PISTOL, 9MM, AUTOMATIC, M9	1005-01-118-2640	EACH	11	11	0
*PULLER, MECHANICAL (GGGPOO781)	5120-00-288-7713	EACH	11	11	0
*SMALL ARMS TOOL KIT	5180-00-357-7770	EACH	90	90	0
*SOCKET ADAPTER 1/4"	5120-00-236-2264	EACH	11	11	0
*STOOL	7110-00-194-1611	EACH	90	90	0
*TELEVISION	98807N	EACH	20	20	0
*TOOL KIT DIRECT SUPPORT, F/MK19	5180-01-143-9605	EACH	11	11	0
*TOOL SET,DS/GS SPT MT:(FOR ALL CAL.50 MG,M2HB	4933-00-726-5830	EACH	11	11	0
*TOOL, COMBINATION SCRAPER AND EXTRACTOR M240	4933-01-33-1503	EACH	11	11	0
*TRIGGER PULL MEASURING FIXTURE	4933-00-647-3696	EACH	33	33	0
*TRIPOD, M122	1005-00-710-5599	EACH	11	11	0
*TRIPOD, M3	1005-00-322-9716	EACH	11	11	0
*VCR	99651N	EACH	10	10	0
*VERNIER CALIPER 0-6" 0-15MM	5210-00-250-4761	EACH	11	11	0
*WORK BENCH	4910-00-543-7772	EACH	90	90	0
*WRENCH, BARREL	5120-01-138-4794	EACH	11	11	0
.50 CAL MACHINE GUN (UGWS)	1005-01-362-6237	EACH	2	2	0
40MM MACHINE GUN (UGWS)	1010-01-362-6513	EACH	2	2	0
AN/PAQ-4C	5855-01-312-4160	EACH	9	9	0
BOXLIGHT	7021-00-L12-0942	EACH	4	4	0
COMPUTER	7010-01-464-9346	EACH	16	16	0
GAGE KIT, BORESIGHT, DIRECT SUPPORT MK153	4933-01-200-1575	EACH	3	3	0
LASER BORESIGHT	5860-01-466-2087	EACH	9	9	0
M1911A1 .45 CALIBER MEU (SOC) PISTOL	1005-01-370-7353	EACH	11	0	11
M240G 7.62 MACHINE GUN	1005-01-359-2714	EACH	11	11	0
M40A1 SNIPER RIFLE	1005-01-035-1674	EACH	4	1	3
M4A1 CARBINE	1005-01-382-0953	EACH	11	11	0
MK-153 SMAW	1055-01-164-4608	EACH	11	11	0
NS TEST SET	6625-01-323-9584	EACH	6	6	0
RIFLE 7.62 DMR	1005-01-458-6235	EACH	11	0	11
RIFLE, 5.56MM M16A2	1005-01-128-9936	EACH	11	11	0
RIFLE, M82A3	1005-01-340-9519	EACH	5	2	3
SAFETY GOGGLES	4240-00-052-3776	EACH	90	90	0
SAFETY WIRE	9505-00-293-4208	POUND	10	10	0
SHOTGUN, JCS	1005-01-472-3147	EACH	13	13	0

24. TASK LIST. See Appendix B.

CDD NOTES: This CDD represents an 8 hour day for the B, C, D and E annex, the remainder of the CDD is based on a 7 hour instruction day. With the other 45 minutes used for either PT or uniform inspections.

The * in paragraph 23 represent items that are not owned by the Marine Corps and which are used in an ITRO portion of the course. The ** represent items that are

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SECTION I - COURSE DESCRIPTIVE DATA

owned by the Marine Corps but are used by the Electro-Optical Ordnance Repair Course (2171). These items are still required to teach this course.

There is a request to increase the number of M40 Series Sniper Rifles that are to be used in the 21110G03 period of instruction.

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SECTION I - COURSE DESCRIPTIVE DATA

APPENDIX A - INSTRUCTOR COMPUTATION WORKSHEET (LOCKSTEP)

SECTION I COURSE DATA

COURSE: A0121M1

SMALL ARMS REPAIRER

LOCATION: United States Marine Corps, Marine Detachment, U.S. Army Ordnance Center and School, Aberdeen Proving Ground, MD 21005-5281

PROGRAMMED ANNUAL INPUT (FY 03): 384 LENGTH (AVG CAL DAYS): 61

PROGRAMMED NUMBER OF CLASSES/YEAR: 48 LENGTH (TRAINING DAYS): 45

SYLLABUS HOURS: 318.00

SECTION II CURRICULUM BREAKOUT

(A)	(B)	(C)	(D)	(E)	(F)
TRAINING SITUATION	MAX CLASS SIZE	MAX RATIO (X:1)	INST REQ	SYLLABUS HOURS	INST MANHOURS
Administrative	8	÷ 8.00	= 1.00	x 0.50	= 0.50
Demonstration	8	÷ 8.00	= 1.00	x 7.50	= 7.50
Lecture	8	÷ 8.00	= 1.00	x 49.60	= 49.60
Practical Application	8	÷ 8.00	= 1.00	x 199.50	= 199.50
Performance Exam	8	÷ 8.00	= 1.00	x 46.80	= 46.80
Written Exam	8	÷ 8.00	= 1.00	x 14.10	= 14.10

TOTAL INSTRUCTOR MANHOURS PER CLASS(G): 318.00

SECTION III INSTRUCTOR COMPUTATION

TOTAL INSTRUCTOR MANHOURS PER CLASS	x	PROGRAMMED NUMBER OF CLASSES	=	ANNUAL INSTRUCTOR CONTACT HOURS	15264.00
ANNUAL INSTRUCTOR CONTACT HOURS	x	1.26	=	ANNUAL INSTRUCTOR HOURS	19232.64
ANNUAL INSTRUCTOR HOURS	÷	12	=	MONTHLY INSTRUCTOR HOURS	1602.72
MONTHLY INSTRUCTOR HOURS	÷	145	=	INSTRUCTORS REQUIRED	11.053 = 11

ICW NOTES: Instructors are tasked with teaching not only basic entry level Marines, but are required to mentor Marines within the course and provide additional support as required by the Detachment. These tasks include Ordnance Officer's/Chief's course instructors, chasers for brig/CCU and monitor urinalysis and PFTs. Progression through the Army Staff & Faculty Development Program, and Resident Marine Corps Professional Education is required.

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SECTION I - COURSE DESCRIPTIVE DATA

APPENDIX B - TASKLIST

DUTY: 2111.01 OPERATOR MAINTENANCE

TASKS: (S) 2111.01.01 MAINTAIN AND UTILIZE ARMORER'S TOOL KIT AND SUPPORT EQUIPMENT

DUTY: 2111.02 MAINTAIN ARMORY SMALL ARMS AND OPTICAL DEVICES

TASKS: (S) 2111.02.01 MAINTAIN M9 9MM SEMIAUTOMATIC PISTOL
(S) 2111.02.02 MAINTAIN 12 GAGE SERIES SHOTGUNS
(S) 2111.02.03 MAINTAIN 5.56MM SERVICE RIFLES
(S) 2111.02.04 MAINTAIN .50 CALIBER SPECIAL APPLICATION SCOPED RIFLE (SASR)
(S) 2111.02.05 MAINTAIN M203 40MM GRENADE LAUNCHER
(S) 2111.02.07 MAINTAIN M249 5.56MM SQUAD AUTOMATIC WEAPON (SAW)
(S) 2111.02.08 MAINTAIN M240 7.62MM MACHINE GUN VARIANTS
(S) 2111.02.09 MAINTAIN M2 .50 CALIBER MACHINE GUN VARIANTS
(S) 2111.02.10 MAINTAIN MACHINE GUN MOUNTS
(S) 2111.02.11 MAINTAIN MK19 40MM MACHINE GUN VARIANTS
(S) 2111.02.12 MAINTAIN MK 153 83MM ROCKET LAUNCHER
(S) 2111.02.13 MAINTAIN M224 60MM MORTAR SYSTEM
(S) 2111.02.14 MAINTAIN M252 81MM MORTAR SYSTEM
(P) 2111.02.15 MAINTAIN GROUND ORDNANCE OPTICAL DEVICES
(S) 2111.02.16 MAINTAIN M40 SERIES SNIPER RIFLE

DUTY: 2111.03 SECURITY AND ADMINISTRATIVE FUNCTIONS

TASKS: (S) 2111.03.04 COMPLY WITH BASIC SHOP PROCEDURES
(S) 2111.03.05 FOLLOW BASIC MAINTENANCE PROCEDURES
(S) 2111.03.06 PERFORM ARMORY PROCEDURES

TASK LIST NOTES: See Appendix B.

a. "Applicable resources" as written in the condition of the learning objective refers to: Tools, TMDE, equipment, personnel, facility, access to the internet where required and current references.

b. "References" as written in the standard of the learning objectives refers to: current Orders, Directives, TMs, TIs, SIs, MIs and SLs.

c. The following tasks are not taught from Duty Area 2 because the school does not possess the required equipment:

2111.02.06 Maintain M1911A1 .45 Caliber MEU (SOC) Pistol

2111.02.17 Maintain 7.62MM M14 Designated Marksman Rifle (DMR)

Upon receiving these weapons, the above tasks will be added to the CDD/POI for a total of 10 hours, this will lengthen the course by two days.

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SECTION II - SUMMARY OF HOURS

PEACETIME (45 TRAINING DAYS)

ACADEMIC TIME

<u>TITLE</u>	<u>HOURS</u>	<u>ANNEX</u>
BASIC KNOWLEDGE AND SKILLS	27.00	A
COMMON CORE T/O WEAPONS	70.00	B
COMMON CORE LIGHT MACHINE GUNS	35.00	C
COMMON CORE HEAVY MACHINE GUNS	68.00	D
COMMON CORE MORTAR WEAPON SYSTEMS	37.00	E
PHYSICAL SECURITY	29.00	F
ARMORY OPERATIONS AND WEAPONS MAINTENANCE	23.00	G
SMAW AND END OF COURSE TESTING	<u>29.00</u>	H
TOTAL ACADEMIC HOURS:	318.00	

ADMINISTRATIVE TIME

IN PROCESSING	8.00	Z
OUT PROCESSING	8.00	Z
COMMANDERS TIME	16.00	Z
DRIVERS IMPROVEMENT COURSE	<u>8.00</u>	Z
TOTAL ADMINISTRATIVE HOURS:	40.00	

SUMMARY (PEACETIME)

ACADEMIC TIME	318.00
ADMINISTRATIVE TIME	<u>40.00</u>
TOTAL ACADEMIC AND ADMINISTRATIVE TIME:	358.00

MOBILIZATION (36 TRAINING DAYS)

In the event of mobilization the course will be taught 10 hours per day, 6 days per week.

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SECTION III - SCOPE OF ANNEXES

A. BASIC KNOWLEDGE AND SKILLS. Upon completion of this block the student will have a basic knowledge of general publications, hazardous materials, basic shop safety, the use of tools, and NAVMC forms.

B. COMMON CORE T/O WEAPONS. Common Core T/O Weapons is designed to teach the students with the E2900 small arms repairer tool kit, fundamentals of small arms weapons, PMCS, first through fourth echelon maintenance procedures, first through fourth echelon disassembly/assembly, functioning and operation of the following weapon systems: M16A2 Rifle, M203 Grenade Launcher and M9 Pistol.

C. COMMON CORE LIGHT MACHINE GUNS. Common Core Light Machine Guns is designed to teach the student PMCS, first through fourth echelon maintenance procedures, first through fourth echelon disassembly/assembly, functioning and operation of the following weapon systems: M240 machine gun variants, M249 Squad Automatic Weapon and related equipment to include the M122 tripod, pintle mount and T&E mechanism.

D. COMMON CORE HEAVY MACHINE GUNS. Common Core Heavy Machine Guns is designed to teach the student PMCS, first through fourth echelon maintenance procedures, first through fourth echelon disassembly/assembly, functioning and operation of the following weapon systems: M2 HB .50 caliber machine gun, MK19 40mm machine gun and related equipment to include the M3 tripod, MK64 mount, the pintle mount and T&E mechanism.

E. COMMON CORE MORTAR WEAPON SYSTEMS. Common Core Mortar Weapon Systems is designed to teach the student PMCS, first through fourth echelon maintenance procedures, first through fourth echelon disassembly/assembly, functioning and operation of the following weapon systems: M224 60mm Mortar, M252 81mm Mortar, M170 Bipod, to include the following related equipment and subjects; baseplates, M64A1 sight, and handling of radioactive material.

F. PHYSICAL SECURITY. Provides a standardized introduction to the physical security of armory facilities, weapon parts, Arms, Ammunition and Explosive (AA&E) screening, storage procedures and a reinforcement of learning on NAVMC forms and records.

G. ARMORY OPERATIONS AND WEAPONS MAINTENANCE. This annex covers maintaining maintenance management programs, performance of armory procedures, Radiological Safety Program (RASP), Corrosion Control Program (CPAC), maintaining shop/section MIMMS and maintaining an armory publications and directives program/library. Performance of first through third echelon maintenance, inspection, care, cleaning, and storage of M40 Series Sniper Rifles, an introduction to the care and storage of optical devices, performance of first through third echelon maintenance, inspection, care, cleaning and storage of M82A3 Special Application Scoped Rifle (SASR), performance of first echelon through fourth echelon of maintenance on M4A1 Carbine Rifle, performance of fourth echelon maintenance and familiarization on the 12 gage series shotguns and a reinforcement of learning on NAVMC forms and records.

H. SMAW AND END OF COURSE TESTING. Performance of first echelon through fourth echelon of maintenance, inspection, care, cleaning and storage of MK153 Shoulder-launched Multi-purpose Assault Weapon (SMAW). This annex covers a "day in the life of an armorer" during which the student must demonstrate an ability to combine previously learned tasks in order to function in an actual armory environment.

Z. ADMIN. Administrative processing includes Check in, Check out, Graduation, Drivers Improvement Course and Commander's time.

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SECTION IV - CONCEPT CARDS

1. A concept card is developed to describe each academic or administrative block of time during a course. These concept cards are then grouped into subject areas, called annexes, which are summarized in Section III. Annexes A through Y are reserved for academic lessons and exams. Annex Z is reserved for administrative time.
2. The following information is contained on each academic concept card in Section IV:
 - a. Heading. The heading listed at the top of the concept card includes the name of the course, the section of the POI, and the letter and title of the annex to which the lesson or exam is assigned.
 - b. Lesson/Exam ID. This designator is a unique code assigned to this specific lesson or exam within this course.
 - c. Hours. This number (carried to the second decimal place) depicts the amount of time required to conduct the lesson or exam once, even if it is presented multiple times to smaller groups of students.
 - d. Title. This is the title assigned to this lesson or exam. It should refer to the subject matter covered in the lesson or exam when possible.
 - e. Phase (optional). This is a code depicting the phase (e.g., week, month, etc.) of the course during which this lesson or exam takes place.
 - f. Group (optional). This is a code depicting the instructional group or section responsible for teaching or developing this lesson or exam.
 - g. Methods,Hours,S:I Ratio. Displayed on the concept card are codes which symbolize the methods of instruction used to present this lesson or exam. Following each method code is the time (in hours) allocated to that method and the student to instructor ratio associated with that period of time. (The hours and ratios depicted on the concept card are used to determine instructor staffing requirements.) The following is a comprehensive list of methods used in this course and their respective codes:

<u>Method</u>	<u>Code</u>
Administrative	ADMIN
Commanders Time	CMDR
Demonstration	D
Guided Discussion	GD
Lecture	L
Practical Application	PA
Performance Exam	X(P)
Written Exam	X(W)

- h. Media. Displayed on the concept card are codes which symbolize the media used to support this lesson or exam. The following is a comprehensive list of media used in this course and their respective codes:

<u>Medium</u>	<u>Code</u>
Actual Item/Object	AIO
Blackboard	B
Chart	C
Computer	CPU
Cut-away Weapon	CWP
Filmstrip	F
Handout	HO
Mockup	MU
Power Point Presentation	PPP
Slides	S
Test Booklet	TB

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SECTION IV - CONCEPT CARDS

Television	TV
Video Cassette Recorder	VCR
Videotape	VT
White Board	WB
Workbook	WBK

i. Learning Objective(s)/Lesson Purpose. Academic concept cards contain either learning objectives or a lesson purpose statement, but not both.

(1) Learning Objective. A learning objective describes a behavior that students are expected to perform following instruction, not necessarily identical to a behavior performed on the job. It also details the conditions under which that behavior is performed and the minimum standards of acceptable performance. A student masters the objective when his or her performance equals or exceeds the standard. (Information concerning student evaluation and mastery is contained in Section V of this POI.)

(a) Terminal Learning Objective (TLO). One, and only one, TLO is written for each task in Section I-B of the POI. The behavior in the TLO duplicates the actual behavior required on the job, modified only if the constraints of the academic environment will not allow it. A TLO should only appear on a concept card for a lesson or exam during which students actually perform the TLO. Each TLO is assigned a numeric designator identical to the designator of its corresponding task in Section I-B, which is identical to the designator of the Individual Training Standard (ITS) from which the task was derived. This designator is located in parentheses at the end of the TLO.

(b) Enabling Learning Objective (ELO). ELOs are designed to teach students the knowledges and skills required for successful performance of the TLOs. Each ELO is placed only on concept cards for lessons or exams during which students actually perform the ELO. Many introductory lessons will contain only ELOs. Each ELO is assigned the same numeric designator as the TLO it supports, followed by a unique combination of one or two letters. This designator is located in parentheses at the end of the ELO. (The first 26 ELOs are assigned the letters "a" through "z" consecutively. If there are more than 26 ELOs, they are assigned the letters "aa" through "az," then "ba" through "bz," etc.)

(2) Lesson Purpose. A lesson purpose statement is recorded on a concept card where no learning objectives are appropriate (e.g., overview, orientation, or enrichment lesson) and the lesson is not to be evaluated. The lesson purpose statement clearly describes the rationale for presenting the lesson.

j. Ammunition Requirements. Whenever a lesson requires the use of ammunition by students or by the instructional staff in support of the lesson, the concept card for that lesson will include a table depicting those requirements. Included for each type of ammunition will be its Department of Defense Identification Code (DODIC), its nomenclature, the average number of rounds used by each student, and the number of support rounds.

k. Notes (optional). This section of the concept card contains any information pertinent to the lesson. Examples of items which may be addressed here are instructor requirements, scheduling notes, special prerequisites, references to tests on which material will be evaluated, etc.

l. References. This section contains the source documents used for development of the lesson or other references which relate to the lesson. At a minimum, it must contain all documents referenced in the learning objectives included on the concept card.

3. The following information is contained on each administrative concept card in Section IV:

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a. Heading. The heading listed at the top of the concept card includes the name of the course, the section of the POI, and the fact that this concept card is part of Annex Z, Administrative Time.

b. Event ID. This designator is a unique code assigned to this administrative event within the course.

c. Hours. This number (carried to the second decimal place) depicts the amount of administrative time required for this event. If this is a repeating event, one concept card may indicate the cumulative hours associated with this event throughout the course.

d. Event. This is a short description of the administrative event.

e. Notes (optional). This section of the concept card contains any information pertinent to the administrative block of time.

4. The following pages contain useful information for locating the learning objectives and lessons that make up this course.

a. Location of Learning Objectives Report. This report lists, by learning objective designator, all learning objectives developed for this course. It also identifies every concept card on which each learning objective is included.

b. Academic and Administrative Summaries. These reports list, by annex, all academic and administrative concept cards in Section IV. Within each annex the concept cards are listed in lesson identifier order. The information provided for each entry includes Identifier, Title, Hours, and Type [Task-oriented lesson (T), Lesson Purpose lesson (LP), Exam (E), or Administrative Time (ADM)]. A subtotal of hours is provided for each annex and for all academic and administrative concept cards. Total POI hours are listed at the end of the Administrative Summary.

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SECTION IV - CONCEPT CARDS

LOCATION OF LEARNING OBJECTIVES REPORT

LO	ANNEX	LESSON ID	LESSON TITLE
2111.01.01	B	21110B01	Small Arms Repairman Tool Kit and Support Equipment
	B	21110B05	Job Knowledge Test And Test Review 21110B01 and 21110B03
	D	21110D09	Cannon Tube Evalutaion
2111.01.01a	B	21110B01	Small Arms Repairman Tool Kit and Support Equipment
2111.01.01b	B	21110B01	Small Arms Repairman Tool Kit and Support Equipment
2111.01.01c	B	21110B01	Small Arms Repairman Tool Kit and Support Equipment
2111.01.01d	B	21110B01	Small Arms Repairman Tool Kit and Support Equipment
2111.01.01e	D	21110D09	Cannon Tube Evalutaion
2111.01.01f	D	21110D09	Cannon Tube Evalutaion
2111.02.01	B	21110B03	Maintain M9 9mm Semiautomatic Pistol
	B	21110B04	Job Performance Test And Test Review 21110B03
	B	21110B05	Job Knowledge Test And Test Review 21110B01 and 21110B03
	H	21110H04	End Of Course Test (EOC)
2111.02.01a	B	21110B03	Maintain M9 9mm Semiautomatic Pistol
2111.02.01b	B	21110B03	Maintain M9 9mm Semiautomatic Pistol
2111.02.01c	B	21110B03	Maintain M9 9mm Semiautomatic Pistol
2111.02.01d	B	21110B03	Maintain M9 9mm Semiautomatic Pistol
2111.02.01e	B	21110B03	Maintain M9 9mm Semiautomatic Pistol
2111.02.01f	B	21110B03	Maintain M9 9mm Semiautomatic Pistol
2111.02.01g	B	21110B03	Maintain M9 9mm Semiautomatic Pistol
2111.02.01h	B	21110B03	Maintain M9 9mm Semiautomatic Pistol
2111.02.01i	B	21110B03	Maintain M9 9mm Semiautomatic Pistol
2111.02.01j	B	21110B03	Maintain M9 9mm Semiautomatic Pistol
2111.02.01k	B	21110B03	Maintain M9 9mm Semiautomatic Pistol
2111.02.02	G	21110G06	M1014 Shotgun
	H	21110H04	End Of Course Test (EOC)
2111.02.02a	G	21110G06	M1014 Shotgun
2111.02.02b	G	21110G06	M1014 Shotgun
2111.02.02c	G	21110G06	M1014 Shotgun
2111.02.02d	G	21110G06	M1014 Shotgun

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LOCATION OF LEARNING OBJECTIVES REPORT

LO	ANNEX	LESSON ID	LESSON TITLE
2111.02.02e	G	21110G06	M1014 Shotgun
2111.02.02f	G	21110G06	M1014 Shotgun
2111.02.02g	G	21110G06	M1014 Shotgun
2111.02.02h	G	21110G06	M1014 Shotgun
2111.02.02i	G	21110G06	M1014 Shotgun
2111.02.02j	G	21110G06	M1014 Shotgun
2111.02.02k	G	21110G06	M1014 Shotgun
2111.02.03	B	21110B07	Maintain M16A2 5.56mm Service Rifle
	B	21110B10	Job Performance Test And Test Review 21110B07 Thru 21110B09
	B	21110B11	Job Knowledge Test And Test Review 21110B07 Thru 21110B09
	G	21110G05	Introduction To The M4A1 Carbine
2111.02.03a	H	21110H04	End Of Course Test (EOC)
2111.02.03a	B	21110B07	Maintain M16A2 5.56mm Service Rifle
	G	21110G05	Introduction To The M4A1 Carbine
2111.02.03b	B	21110B07	Maintain M16A2 5.56mm Service Rifle
	G	21110G05	Introduction To The M4A1 Carbine
2111.02.03c	B	21110B07	Maintain M16A2 5.56mm Service Rifle
	G	21110G05	Introduction To The M4A1 Carbine
2111.02.03d	B	21110B07	Maintain M16A2 5.56mm Service Rifle
	G	21110G05	Introduction To The M4A1 Carbine
2111.02.03e	B	21110B07	Maintain M16A2 5.56mm Service Rifle
	G	21110G05	Introduction To The M4A1 Carbine
2111.02.03f	B	21110B07	Maintain M16A2 5.56mm Service Rifle
	G	21110G05	Introduction To The M4A1 Carbine
2111.02.03g	B	21110B07	Maintain M16A2 5.56mm Service Rifle
	G	21110G05	Introduction To The M4A1 Carbine
2111.02.03h	B	21110B07	Maintain M16A2 5.56mm Service Rifle
	G	21110G05	Introduction To The M4A1 Carbine
2111.02.03i	B	21110B07	Maintain M16A2 5.56mm Service Rifle
	G	21110G05	Introduction To The M4A1 Carbine
2111.02.03j	B	21110B07	Maintain M16A2 5.56mm Service Rifle
	G	21110G05	Introduction To The M4A1 Carbine
2111.02.03k	B	21110B07	Maintain M16A2 5.56mm Service Rifle
	G	21110G05	Introduction To The M4A1 Carbine

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LOCATION OF LEARNING OBJECTIVES REPORT

LO	ANNEX	LESSON ID	LESSON TITLE
2111.02.04	G	21110G04	Maintain .50 Caliber Special Application Scoped Rifle (SASR)
2111.02.04a	G	21110G04	Maintain .50 Caliber Special Application Scoped Rifle (SASR)
2111.02.04b	G	21110G04	Maintain .50 Caliber Special Application Scoped Rifle (SASR)
2111.02.04c	G	21110G04	Maintain .50 Caliber Special Application Scoped Rifle (SASR)
2111.02.04d	G	21110G04	Maintain .50 Caliber Special Application Scoped Rifle (SASR)
2111.02.04e	G	21110G04	Maintain .50 Caliber Special Application Scoped Rifle (SASR)
2111.02.04f	G	21110G04	Maintain .50 Caliber Special Application Scoped Rifle (SASR)
2111.02.04g	G	21110G04	Maintain .50 Caliber Special Application Scoped Rifle (SASR)
2111.02.04h	G	21110G04	Maintain .50 Caliber Special Application Scoped Rifle (SASR)
2111.02.04i	G	21110G04	Maintain .50 Caliber Special Application Scoped Rifle (SASR)
2111.02.04j	G	21110G04	Maintain .50 Caliber Special Application Scoped Rifle (SASR)
2111.02.04k	G	21110G04	Maintain .50 Caliber Special Application Scoped Rifle (SASR)
2111.02.05	B	21110B09	Maintain M203 40mm Grenade Launcher
	B	21110B10	Job Performance Test And Test Review 21110B07 Thru 21110B09
	B	21110B11	Job Knowledge Test And Test Review 21110B07 Thru 21110B09
	H	21110H04	End Of Course Test (EOC)
2111.02.05a	B	21110B09	Maintain M203 40mm Grenade Launcher
2111.02.05b	B	21110B09	Maintain M203 40mm Grenade Launcher
2111.02.05c	B	21110B09	Maintain M203 40mm Grenade Launcher
2111.02.05d	B	21110B09	Maintain M203 40mm Grenade Launcher
2111.02.05e	B	21110B09	Maintain M203 40mm Grenade Launcher
2111.02.05f	B	21110B09	Maintain M203 40mm Grenade Launcher

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LO	ANNEX	LESSON ID	LESSON TITLE
2111.02.05g	B	21110B09	Maintain M203 40mm Grenade Launcher
2111.02.05h	B	21110B09	Maintain M203 40mm Grenade Launcher
2111.02.05i	B	21110B09	Maintain M203 40mm Grenade Launcher
2111.02.05j	B	21110B09	Maintain M203 40mm Grenade Launcher
2111.02.05k	B	21110B09	Maintain M203 40mm Grenade Launcher
2111.02.07	C	21110C01	Maintain M249 5.56mm Squad Automatic Weapon (SAW)
	C	21110C02	Job Performance Test And Test Review 21110C01
	C	21110C05	Job Knowledge Test And Test Review 21110C01 and 21110C03
	H	21110H04	End Of Course Test (EOC)
2111.02.07a	C	21110C01	Maintain M249 5.56mm Squad Automatic Weapon (SAW)
2111.02.07b	C	21110C01	Maintain M249 5.56mm Squad Automatic Weapon (SAW)
2111.02.07c	C	21110C01	Maintain M249 5.56mm Squad Automatic Weapon (SAW)
2111.02.07d	C	21110C01	Maintain M249 5.56mm Squad Automatic Weapon (SAW)
2111.02.07e	C	21110C01	Maintain M249 5.56mm Squad Automatic Weapon (SAW)
2111.02.07f	C	21110C01	Maintain M249 5.56mm Squad Automatic Weapon (SAW)
2111.02.07g	C	21110C01	Maintain M249 5.56mm Squad Automatic Weapon (SAW)
2111.02.07h	C	21110C01	Maintain M249 5.56mm Squad Automatic Weapon (SAW)
2111.02.07i	C	21110C01	Maintain M249 5.56mm Squad Automatic Weapon (SAW)
2111.02.07j	C	21110C01	Maintain M249 5.56mm Squad Automatic Weapon (SAW)
2111.02.07k	C	21110C01	Maintain M249 5.56mm Squad Automatic Weapon (SAW)
2111.02.08	C	21110C03	Maintain M240 7.62mm Machine Gun Variants
	C	21110C04	Job Performance Test And Test Review 21110C03
	C	21110C05	Job Knowledge Test And Test Review 21110C01 and 21110C03
	H	21110H04	End Of Course Test (EOC)
2111.02.08a	C	21110C03	Maintain M240 7.62mm Machine Gun Variants
2111.02.08b	C	21110C03	Maintain M240 7.62mm Machine Gun Variants
2111.02.08c	C	21110C03	Maintain M240 7.62mm Machine Gun Variants
2111.02.08d	C	21110C03	Maintain M240 7.62mm Machine Gun Variants
2111.02.08e	C	21110C03	Maintain M240 7.62mm Machine Gun Variants
2111.02.08f	C	21110C03	Maintain M240 7.62mm Machine Gun Variants

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LOCATION OF LEARNING OBJECTIVES REPORT

LO	ANNEX	LESSON ID	LESSON TITLE
2111.02.08g	C	21110C03	Maintain M240 7.62mm Machine Gun Variants
2111.02.08h	C	21110C03	Maintain M240 7.62mm Machine Gun Variants
2111.02.08i	C	21110C03	Maintain M240 7.62mm Machine Gun Variants
2111.02.08j	C	21110C03	Maintain M240 7.62mm Machine Gun Variants
2111.02.08k	C	21110C03	Maintain M240 7.62mm Machine Gun Variants
2111.02.09	D	21110D06	Maintain M2 Machine Gun
	D	21110D07	Job Performance Test And Test Review 21110D06
	D	21110D08	Job Knowledge Test And Test Review 21110D06
	H	21110H04	End Of Course Test (EOC)
2111.02.09a	D	21110D06	Maintain M2 Machine Gun
2111.02.09b	D	21110D06	Maintain M2 Machine Gun
2111.02.09c	D	21110D06	Maintain M2 Machine Gun
2111.02.09d	D	21110D06	Maintain M2 Machine Gun
2111.02.09e	D	21110D06	Maintain M2 Machine Gun
2111.02.09f	D	21110D06	Maintain M2 Machine Gun
2111.02.09g	D	21110D06	Maintain M2 Machine Gun
2111.02.09h	D	21110D06	Maintain M2 Machine Gun
2111.02.09i	D	21110D06	Maintain M2 Machine Gun
2111.02.09j	D	21110D06	Maintain M2 Machine Gun
2111.02.09k	D	21110D06	Maintain M2 Machine Gun
2111.02.10	D	21110D01	Mounts/Maintenance of M3, MK64, & T/E
	D	21110D04	Job Knowledge Test 21110D01 and 21110D02
	H	21110H04	End Of Course Test (EOC)
2111.02.10a	D	21110D01	Mounts/Maintenance of M3, MK64, & T/E
2111.02.10b	D	21110D01	Mounts/Maintenance of M3, MK64, & T/E
2111.02.10c	D	21110D01	Mounts/Maintenance of M3, MK64, & T/E
2111.02.10d	D	21110D01	Mounts/Maintenance of M3, MK64, & T/E
2111.02.10e	D	21110D01	Mounts/Maintenance of M3, MK64, & T/E
2111.02.11	D	21110D02	Maintain MK19 40mm Machine Gun
	D	21110D03	Job Performance Test And Test Review 21110D02
	D	21110D04	Job Knowledge Test 21110D01 and 21110D02
	H	21110H04	End Of Course Test (EOC)

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LOCATION OF LEARNING OBJECTIVES REPORT

LO	ANNEX	LESSON ID	LESSON TITLE
2111.02.11a	D	21110D02	Maintain MK19 40mm Machine Gun
2111.02.11b	D	21110D02	Maintain MK19 40mm Machine Gun
2111.02.11c	D	21110D02	Maintain MK19 40mm Machine Gun
2111.02.11d	D	21110D02	Maintain MK19 40mm Machine Gun
2111.02.11e	D	21110D02	Maintain MK19 40mm Machine Gun
2111.02.11f	D	21110D02	Maintain MK19 40mm Machine Gun
2111.02.11g	D	21110D02	Maintain MK19 40mm Machine Gun
2111.02.11h	D	21110D02	Maintain MK19 40mm Machine Gun
2111.02.11i	D	21110D02	Maintain MK19 40mm Machine Gun
2111.02.11j	D	21110D02	Maintain MK19 40mm Machine Gun
2111.02.11k	D	21110D02	Maintain MK19 40mm Machine Gun
2111.02.12	H	21110H01	Maintain MK153 83mm Rocket Launcher
	H	21110H02	Job Performance Test And Test Review 21110H01
	H	21110H03	Job Knowledge Test And Test Review 21110H01
	H	21110H04	End Of Course Test (EOC)
2111.02.12a	H	21110H01	Maintain MK153 83mm Rocket Launcher
2111.02.12b	H	21110H01	Maintain MK153 83mm Rocket Launcher
2111.02.12c	H	21110H01	Maintain MK153 83mm Rocket Launcher
2111.02.12d	H	21110H01	Maintain MK153 83mm Rocket Launcher
2111.02.12e	H	21110H01	Maintain MK153 83mm Rocket Launcher
2111.02.12f	H	21110H01	Maintain MK153 83mm Rocket Launcher
2111.02.12g	H	21110H01	Maintain MK153 83mm Rocket Launcher
2111.02.12h	H	21110H01	Maintain MK153 83mm Rocket Launcher
2111.02.12i	H	21110H01	Maintain MK153 83mm Rocket Launcher
2111.02.12j	H	21110H01	Maintain MK153 83mm Rocket Launcher
2111.02.12k	H	21110H01	Maintain MK153 83mm Rocket Launcher
2111.02.12l	H	21110H01	Maintain MK153 83mm Rocket Launcher
2111.02.13	E	21110E01	Maintain M224 60mm Mortar System
	E	21110E03	Job Performance Test And Test Review 21110E01 and 21110E02
	E	21110E05	Job Knowledge Test And Test Review 21110E01 and

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LOCATION OF LEARNING OBJECTIVES REPORT

LO	ANNEX	LESSON ID	LESSON TITLE
	H	21110H04	21110E02 End Of Course Test (EOC)
2111.02.13a	E	21110E01	Maintain M224 60mm Mortar System
2111.02.13b	E	21110E01	Maintain M224 60mm Mortar System
2111.02.13c	E	21110E01	Maintain M224 60mm Mortar System
2111.02.13d	E	21110E01	Maintain M224 60mm Mortar System
2111.02.13e	E	21110E01	Maintain M224 60mm Mortar System
2111.02.13f	E	21110E01	Maintain M224 60mm Mortar System
2111.02.13g	E	21110E01	Maintain M224 60mm Mortar System
2111.02.13h	E	21110E01	Maintain M224 60mm Mortar System
2111.02.13i	E	21110E01	Maintain M224 60mm Mortar System
2111.02.13j	E	21110E01	Maintain M224 60mm Mortar System
2111.02.13k	E	21110E01	Maintain M224 60mm Mortar System
2111.02.13l	E	21110E01	Maintain M224 60mm Mortar System
2111.02.14	E	21110E02	Maintain M252 81mm Mortar System
	E	21110E03	Job Performance Test And Test Review 21110E01 and 21110E02
	E	21110E05	Job Knowledge Test And Test Review 21110E01 and 21110E02
	H	21110H04	End Of Course Test (EOC)
2111.02.14a	E	21110E02	Maintain M252 81mm Mortar System
2111.02.14b	E	21110E02	Maintain M252 81mm Mortar System
2111.02.14c	E	21110E02	Maintain M252 81mm Mortar System
2111.02.14d	E	21110E02	Maintain M252 81mm Mortar System
2111.02.14e	E	21110E02	Maintain M252 81mm Mortar System
2111.02.14f	E	21110E02	Maintain M252 81mm Mortar System
2111.02.14g	E	21110E02	Maintain M252 81mm Mortar System
2111.02.14h	E	21110E02	Maintain M252 81mm Mortar System
2111.02.14i	E	21110E02	Maintain M252 81mm Mortar System
2111.02.14j	E	21110E02	Maintain M252 81mm Mortar System
2111.02.14k	E	21110E02	Maintain M252 81mm Mortar System

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LOCATION OF LEARNING OBJECTIVES REPORT

LO	ANNEX	LESSON ID	LESSON TITLE
2111.02.15	G	21110G02	Fundamentals of Optics
	H	21110H04	End Of Course Test (EOC)
2111.02.15a	G	21110G02	Fundamentals of Optics
2111.02.15b	G	21110G02	Fundamentals of Optics
2111.02.15c	G	21110G02	Fundamentals of Optics
2111.02.15d	G	21110G02	Fundamentals of Optics
2111.02.15e	G	21110G02	Fundamentals of Optics
2111.02.16	G	21110G03	Maintain M40 Series Sniper Rifle
2111.02.16a	G	21110G03	Maintain M40 Series Sniper Rifle
2111.02.16b	G	21110G03	Maintain M40 Series Sniper Rifle
2111.02.16c	G	21110G03	Maintain M40 Series Sniper Rifle
2111.02.16d	G	21110G03	Maintain M40 Series Sniper Rifle
2111.02.16e	G	21110G03	Maintain M40 Series Sniper Rifle
2111.02.16f	G	21110G03	Maintain M40 Series Sniper Rifle
2111.02.16g	G	21110G03	Maintain M40 Series Sniper Rifle
2111.02.16h	G	21110G03	Maintain M40 Series Sniper Rifle
2111.02.16i	G	21110G03	Maintain M40 Series Sniper Rifle
2111.02.16j	G	21110G03	Maintain M40 Series Sniper Rifle
2111.02.16k	G	21110G03	Maintain M40 Series Sniper Rifle
2111.03.04	A	21XXAA05	Shop Safety
	A	21XXAA06	Hazard Communications
	A	21XXAA07	Common Tools
	A	21XXAA09	Job Knowledge Test & Review 21XXAA01 Through 21XXAA07
2111.03.04a	A	21XXAA07	Common Tools
2111.03.04b	A	21XXAA07	Common Tools
2111.03.04c	A	21XXAA07	Common Tools
2111.03.04d	A	21XXAA06	Hazard Communications
2111.03.04e	A	21XXAA06	Hazard Communications
2111.03.04f	A	21XXAA05	Shop Safety
2111.03.04g	A	21XXAA05	Shop Safety

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LOCATION OF LEARNING OBJECTIVES REPORT

LO	ANNEX	LESSON ID	LESSON TITLE
2111.03.04h	A	21XXAA05	Shop Safety
2111.03.04i	A	21XXAA05	Shop Safety
2111.03.04j	A	21XXAA05	Shop Safety
2111.03.05	A	21XXAA01	Publications
	A	21XXAA02	Maintenance Administration
	A	21XXAA03	Modifications
	A	21XXAA04	Calibrations
	A	21XXAA09	Job Knowledge Test & Review 21XXAA01 Through 21XXAA07
2111.03.05a	A	21XXAA01	Publications
2111.03.05b	A	21XXAA01	Publications
2111.03.05c	A	21XXAA01	Publications
2111.03.05d	A	21XXAA01	Publications
2111.03.05e	A	21XXAA04	Calibrations
2111.03.05f	A	21XXAA03	Modifications
2111.03.05g	A	21XXAA03	Modifications
2111.03.05h	A	21XXAA03	Modifications
2111.03.05i	A	21XXAA02	Maintenance Administration
2111.03.06	F	21110F01	Physical Security
	F	21110F02	NAVMC Forms
	F	21110F04	Job Performance Test & Review 21110F01 Thru 21110F02
	F	21110F05	Job Knowledge Test & Review 21110F01 Thru 21110F02
	G	21110G01	Maintenance Management Program
	H	21110H04	End Of Course Test (EOC)
2111.03.06a	F	21110F01	Physical Security
2111.03.06b	F	21110F01	Physical Security
2111.03.06c	F	21110F01	Physical Security
2111.03.06d	F	21110F01	Physical Security
2111.03.06e	F	21110F01	Physical Security
2111.03.06f	F	21110F01	Physical Security
2111.03.06g	F	21110F01	Physical Security
2111.03.06h	F	21110F01	Physical Security
2111.03.06i	F	21110F01	Physical Security

SMALL ARMS REPAIR (2111) PROGRAM OF INSTRUCTION

SECTION IV - CONCEPT CARDS

LOCATION OF LEARNING OBJECTIVES REPORT

LO	ANNEX	LESSON ID	LESSON TITLE
2111.03.06j	F	21110F01	Physical Security
2111.03.06k	F	21110F01	Physical Security
2111.03.06l	F	21110F02	NAVMC Forms
2111.03.06m	F	21110F02	NAVMC Forms
2111.03.06n	F	21110F02	NAVMC Forms
2111.03.06o	F	21110F02	NAVMC Forms
2111.03.06p	F	21110F02	NAVMC Forms
2111.03.06q	F	21110F02	NAVMC Forms
2111.03.06r	F	21110F02	NAVMC Forms
2111.03.06s	F	21110F02	NAVMC Forms
2111.03.06t	F	21110F01	Physical Security
2111.03.06u	F	21110F01	Physical Security
2111.03.06v	F	21110F01	Physical Security
2111.03.06w	G	21110G01	Maintenance Management Program
2111.03.06x	G	21110G01	Maintenance Management Program
2111.03.06y	G	21110G01	Maintenance Management Program
2111.03.06z	G	21110G01	Maintenance Management Program
2111.03.06aa	G	21110G01	Maintenance Management Program
2111.03.06ab	G	21110G01	Maintenance Management Program

SMALL ARMS REPAIR (2111) PROGRAM OF INSTRUCTION

SECTION IV - CONCEPT CARDS

ACADEMIC SUMMARY

IDENTIFIER	TITLE	HRS	TYPE
ANNEX A - BASIC KNOWLEDGE AND SKILLS			
21XXAA01	Publications	6.00	T
21XXAA02	Maintenance Administration	9.00	T
21XXAA03	Modifications	1.00	T
21XXAA04	Calibrations	1.00	T
21XXAA05	Shop Safety	1.00	T
21XXAA06	Hazard Communications	1.00	T
21XXAA07	Common Tools	3.00	T
21XXAA08	Troubleshooting	1.00	LP
21XXAA09	Job Knowledge Test & Review 21XXAA01 Through 21XXAA07	2.00	E
21XXAA10	Movement to School	0.50	LP
21XXAA11	Course Introduction	0.50	LP
21XXAA12	Maintenance Management Overview	1.00	LP
Annex Total :		27.00	
ANNEX B - COMMON CORE T/O WEAPONS			
21110B01	Small Arms Repairman Tool Kit and Support Equipment	2.00	T
21110B02	Fundamentals Of Small Arms	8.00	LP
21110B03	Maintain M9 9mm Semiautomatic Pistol	16.00	T
21110B04	Job Performance Test And Test Review 21110B03	5.00	E
21110B05	Job Knowledge Test And Test Review 21110B01 and 21110B03	2.00	E
21110B06	Inspection/Maintenance	2.00	LP
21110B07	Maintain M16A2 5.56mm Service Rifle	20.00	T
21110B08	Mount M203/Safety Wire	2.00	LP
21110B09	Maintain M203 40mm Grenade Launcher	4.00	T
21110B10	Job Performance Test And Test Review 21110B07 Thru 21110B09	5.00	E
21110B11	Job Knowledge Test And Test Review 21110B07 Thru 21110B09	2.00	E
21110B12	Inspection/Maintenance	2.00	LP
Annex Total :		70.00	
ANNEX C - COMMON CORE LIGHT MACHINE GUNS			
21110C01	Maintain M249 5.56mm Squad Automatic Weapon (SAW)	12.00	T
21110C02	Job Performance Test And Test Review 21110C01	3.00	E
21110C03	Maintain M240 7.62mm Machine Gun Variants	15.00	T
21110C04	Job Performance Test And Test Review 21110C03	3.00	E
21110C05	Job Knowledge Test And Test Review 21110C01 and 21110C03	2.00	E
Annex Total :		35.00	
ANNEX D - COMMON CORE HEAVY MACHINE GUNS			
21110D01	Mounts/Maintenance of M3, MK64, & T/E	2.50	T
21110D02	Maintain MK19 40mm Machine Gun	25.00	T

SMALL ARMS REPAIR (2111) PROGRAM OF INSTRUCTION

SECTION IV - CONCEPT CARDS

ACADEMIC SUMMARY

IDENTIFIER	TITLE	HRS	TYPE
21110D03	Job Performance Test And Test Review 21110D02	4.00	E
21110D04	Job Knowledge Test 21110D01 and 21110D02	2.00	E
21110D05	Inspection & Maintenance	2.00	LP
21110D06	Maintain M2 Machine Gun	21.50	T
21110D07	Job Performance Test And Test Review 21110D06	5.00	E
21110D08	Job Knowledge Test And Test Review 21110D06	2.00	E
21110D09	Cannon Tube Evalutaion	4.00	T

Annex Total : 68.00

ANNEX E - COMMON CORE MORTAR WEAPON SYSTEMS

21110E01	Maintain M224 60mm Mortar System	18.00	T
21110E02	Maintain M252 81mm Mortar System	12.00	T
21110E03	Job Performance Test And Test Review 21110E01 and 21110E02	3.00	E
21110E04	Inspection/Maintenance	2.00	LP
21110E05	Job Knowledge Test And Test Review 21110E01 and 21110E02	2.00	E

Annex Total : 37.00

ANNEX F - PHYSICAL SECURITY

21110F01	Physical Security	16.00	T
21110F02	NAVMC Forms	6.50	T
21110F03	Corrosion Prevention And Control (CPAC)	0.50	LP
21110F04	Job Performance Test & Review 21110F01 Thru 21110F02	4.00	E
21110F05	Job Knowledge Test & Review 21110F01 Thru 21110F02	2.00	E

Annex Total : 29.00

ANNEX G - ARMORY OPERATIONS AND WEAPONS MAINTENANCE

21110G01	Maintenance Management Program	8.00	T
21110G02	Fundamentals of Optics	2.00	T
21110G03	Maintain M40 Series Sniper Rifle	2.00	T
21110G04	Maintain .50 Caliber Special Application Scoped Rifle (SASR)	2.00	T
21110G05	Introduction To The M4A1 Carbine	2.00	T
21110G06	M1014 Shotgun	7.00	T

Annex Total : 23.00

ANNEX H - SMAW AND END OF COURSE TESTING

21110H01	Maintain MK153 83mm Rocket Launcher	10.00	T
21110H02	Job Performance Test And Test Review 21110H01	3.00	E
21110H03	Job Knowledge Test And Test Review 21110H01	2.00	E
21110H04	End Of Course Test (EOC)	14.00	E

Annex Total : 29.00

SMALL ARMS REPAIR (2111) PROGRAM OF INSTRUCTION

SECTION IV - CONCEPT CARDS

ACADEMIC SUMMARY

IDENTIFIER	TITLE	HRS	TYPE
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Total Academic Hours : 318.00

SMALL ARMS REPAIR (2111) PROGRAM OF INSTRUCTION

SECTION IV - CONCEPT CARDS

ADMINISTRATIVE SUMMARY

IDENTIFIER	TITLE	HRS	TYPE
ANNEX Z - ADMIN			
21110Z01	In Processing	8.00	ADM
21110Z02	Out Processing	8.00	ADM
21110Z03	Commanders Time	16.00	ADM
21110Z04	Drivers Improvement Course	8.00	ADM
Total Administrative Hours :		40.00	
Total POI Hours :		358.00	

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX A - BASIC KNOWLEDGE AND SKILLS

LESSON ID: 21XXAA01

HOURS: 6.00

TITLE: Publications

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	1.50	8:1
PA	4.50	8:1

MEDIA: AIO, CPU, HO, PPP, TV, WB

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, follow basic maintenance procedures, in accordance with the references. (2111.03.05)

ENABLING LEARNING OBJECTIVE(S):

1. Given applicable resources, identify the types of publications, in accordance with the references. (2111.03.05a)
2. Given a publication library, locate specific publications, in accordance with the references. (2111.03.05b)
3. Given applicable resources, use publications to locate tasks, in accordance with the references. (2111.03.05c)
4. Given applicable resources, identify the purpose of the NAVMC form 10772, in accordance with the references. (2111.03.05d)

REFERENCE

REFERENCE #

- | | |
|---|--------------|
| 1. Table of Marine Corps Ground Equipment Resource Reporting (MCGERR) | MCBUL 3000 |
| 2. MIMMS Field Procedures Manual | MCO P4790.2_ |
| 3. USMC Technical Publications System | MCO P5215.17 |
| 4. Index of Authorized Publications for Equipment Support | NAVMC 2761 |
| 5. Stock List 1-2 | SL-1-2 |
| 6. Ground Equipment Record Procedures | TM 4700-15/1 |
| 7. MIMMS (AIS) FMSS | UM 4790-5 |
| 8. Publication Library Management System | UM-PLMS |

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX A - BASIC KNOWLEDGE AND SKILLS

LESSON ID: 21XXAA02

HOURS: 9.00

TITLE: Maintenance Administration

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	4.00	8:1
PA	5.00	8:1

MEDIA: AIO, CPU, HO, PPP, WB

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, follow basic maintenance procedures, in accordance with the references. (2111.03.05)

ENABLING LEARNING OBJECTIVE(S):

1. Given applicable resources, complete selected NAVMC forms, in accordance with the references. (2111.03.05i)

REFERENCE

REFERENCE #

- | | |
|---|----------------|
| 1. Consumer Level Policy Manual | MCO P4400.150_ |
| 2. MIMMS Field Procedures Manual | MCO P4790.2_ |
| 3. Index of Authorized Publications for Equipment Support | SL 1-2 |
| 4. Index of Authorized Publications for Equipment Support | SL 1-3 |
| 5. Ground Equipment Record Procedures | TM 4700-15/1 |
| 6. MIMMS (AIS) FMSS | UM 4790-5 |

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX A - BASIC KNOWLEDGE AND SKILLS

LESSON ID: 21XXAA03

HOURS: 1.00

TITLE: Modifications

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	0.50	8:1
PA	0.50	8:1

MEDIA: CPU, PPP, TV, WB

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, follow basic maintenance procedures, in accordance with the references. (2111.03.05)

ENABLING LEARNING OBJECTIVE(S):

1. Given applicable resources, state the types of modification categories, in accordance with the references. (2111.03.05f)
2. Given applicable resources, identify equipment requiring modification, in accordance with the references. (2111.03.05g)
3. Given applicable resources, complete modification records, in accordance with the references. (2111.03.05h)

REFERENCE

REFERENCE #

- | | |
|--|---------------|
| 1. Applicable Equipment Modification Instruction | APPLICABLE MI |
| 2. MIMMS Field Procedures Manual | MCO P4790.2_ |
| 3. Test Set Night Vision Sight AN/TAM-3A | MI-08121-45/1 |
| 4. Ground Equipment Record Procedures | TM 4700-15/1 |
| 5. MIMMS (AIS) FMSS | UM 4790-5 |

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX A - BASIC KNOWLEDGE AND SKILLS

LESSON ID: 21XXAA04

HOURS: 1.00

TITLE: Calibrations

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	0.50	8:1
PA	0.50	8:1

MEDIA: CPU, PPP, WB

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, follow basic maintenance procedures, in accordance with the references. (2111.03.05)

ENABLING LEARNING OBJECTIVE(S):

1. Given applicable resources, identify the TMDE that requires calibration, in accordance with the references. (2111.03.05e)

REFERENCE

REFERENCE #

- | | |
|---|---------------|
| 1. Marine Corps Test, Measurement and Diagnostic Equipment Calibrations and Maintenance Program | MCO 4733.1 |
| 2. Tool Kit, Small Arms Repairer | SL-3-00607A |
| 3. Infantry Weapons Gauge Calibration Exchange Program | TI 4733-15/11 |
| 4. Calibration Requirements USMC TMDE CAMP | TI-4733-15/1 |
| 5. Ground Equipment Record Procedures | TM 4700-15/1 |
| 6. Care and Use of Hand Tools | TM 9-243 |

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX A - BASIC KNOWLEDGE AND SKILLS

LESSON ID: 21XXAA05

HOURS: 1.00

TITLE: Shop Safety

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
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L	1.00	8:1
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MEDIA: CPU, HO, PPP, TV

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, comply with basic shop procedures, in accordance with the references. (2111.03.04)

ENABLING LEARNING OBJECTIVE(S):

1. Given applicable resources, select the proper Personal Protective Equipment (PPE) required when using specific tools, in accordance with the references. (2111.03.04f)
2. Given a Material Safety Data Sheet (MSDS), identify the type of Personal Protective Equipment (PPE) required for handling/using hazardous materials, in accordance with the references. (2111.03.04g)
3. Given applicable resources, identify LASER hazards in the work place, to ensure safety of personnel. (2111.03.04h)
4. Given applicable resources, identify radiation hazards in the work place, to ensure safety of personnel. (2111.03.04i)
5. Given applicable resources, demonstrate proper handling of equipment containing LASERS or radiation, in accordance with the references. (2111.03.04j)

REFERENCE

REFERENCE #

- | | |
|--|----------------|
| 1. Local Policies/Procedures | DOD 6050.5-W |
| 2. Environmental Compliance and Protection Manual | LOCAL POLICIES |
| 3. Marine Corps Ground Occupational Safety and Health Program | MCO 5100.8 |
| 4. Control of Hazards to Health from Laser Radiation | MCO 5104.3 |
| 5. MIMMS Field Procedures Manual | MCO P4790.2_ |
| 6. Department of Defense Federal Hazard Communication Training Program Students's Workbook | MCO P5090.2_ |
| 7. Control of Hazards to Health from Laser Radiation | TB MED 524 |

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX A - BASIC KNOWLEDGE AND SKILLS

LESSON ID: 21XXAA05

HOURS: 1.00

TITLE: Shop Safety

8. Special Handling Tritium Fire Control

TI 5104-15/2

9. Care and Use of Hand Tools

TM 9-243

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX A - BASIC KNOWLEDGE AND SKILLS

LESSON ID: 21XXAA06

HOURS: 1.00

TITLE: Hazard Communications

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
D	0.50	8:1
L	0.50	8:1

MEDIA: CPU, HO, PPP, WB

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, comply with basic shop procedures, in accordance with the references. (2111.03.04)

ENABLING LEARNING OBJECTIVE(S):

1. Given applicable resources, utilize Material Safety Data Sheets, to ensure safety of personnel. (2111.03.04d)
2. Given applicable resources, respond to a hazardous materials/waste spill in the work place, in accordance with shop spill response procedures and the references. (2111.03.04e)

REFERENCE

REFERENCE #

- | | |
|--|--------------|
| 1. Department of Defense Federal Hazard Communication Training Program Students's Workbook | DOD 6050.5-W |
| 2. Marine Corps Ground Occupational Safety and Health Program | MCO 5100.8 |
| 3. Environmental Compliance and Protection Manual | MCO P5090.2_ |

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX A - BASIC KNOWLEDGE AND SKILLS

LESSON ID: 21XXAA07

HOURS: 3.00

TITLE: Common Tools

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
D	1.00	8:1
L	0.50	8:1
PA	1.50	8:1

MEDIA: AIO, CPU, HO, PPP, WB

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, comply with basic shop procedures, in accordance with the references. (2111.03.04)

ENABLING LEARNING OBJECTIVE(S):

1. Given applicable resources, conduct inventories of tool sets, chests and kits, in accordance with the references. (2111.03.04a)
2. Given applicable resources, perform preventative maintenance checks and services (PMCS) on tools sets, chests and kits, in accordance with the references. (2111.03.04b)
3. Given applicable resources, demonstrate the proper use of hand tools, in accordance with the references. (2111.03.04c)

REFERENCE

REFERENCE #

- | | |
|--|-----------------|
| 1. Applicable Stock List SL-3 | APPLICABLE SL-3 |
| 2. Applicable Equipment Technical Publications | APPLICABLE TM |
| 3. Ground Equipment Record Procedures | TM 4700-15/1 |
| 4. Care and Use of Hand Tools | TM 9-243 |

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX A - BASIC KNOWLEDGE AND SKILLS

LESSON ID: 21XXAA08

HOURS: 1.00

TITLE: Troubleshooting

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
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L	1.00	8:1
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MEDIA: CPU, PPP, TV, WB

LESSON PURPOSE:

The seven steps of troubleshooting and the principles behind these steps are taught to entry level mechanics and technicians to aid them in fault isolation. Troubleshooting is re-enforced during every annex for the remainder of the course.

REFERENCE

REFERENCE #

1. Applicable Equipment Technical Publications

APPLICABLE TM

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX A - BASIC KNOWLEDGE AND SKILLS

EXAM ID: 21XXAA09

HOURS: 2.00

TITLE: Job Knowledge Test & Review 21XXAA01 Through 21XXAA07

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	0.10	8:1
X(W)	1.90	8:1

MEDIA: TB

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, comply with basic shop procedures, in accordance with the references. (2111.03.04)
2. Given applicable resources, follow basic maintenance procedures, in accordance with the references. (2111.03.05)

REFERENCE

REFERENCE #

- | | |
|--|-----------------|
| 1. Applicable Equipment Modification Instruction | APPLICABLE MI |
| 2. Applicable Stock List SL-3 | APPLICABLE SL-3 |
| 3. Applicable Equipment Technical Publications | APPLICABLE TM |
| 4. Department of Defense Federal Hazard Communication Training Program Students's Workbook | DOD 6050.5-W |
| 5. Federal Logistics Database | FEDLOG |
| 6. Table of Marine Corps Ground Equipment Resource Reporting (MCGERR) | MCBUL 3000 |
| 7. Marine Corps Ground Occupational Safety and Health Program | MCO 5100.8 |
| 8. Marine Corps Radiation Safety Program | MCO 5104.3 |
| 9. Consumer Level Policy Manual | MCO P4400.150_ |
| 10. MIMMS Field Procedures Manual | MCO P4790.2_ |
| 11. USMC Technical Publication System | MCO P5215.17 |
| 12. Test Set Night Vision Sight AN/TAM-3A | MI-08121-45/1 |
| 13. Stock List 1-2 | SL-1-2 |
| 14. Stock List 1-3 | SL-1-3 |
| 15. Calibration Requirements USMC TMDE CAMP | TI-4733-15/1 |
| 16. Special Handling Considerations for Tritium Fire Control. | TI-5104-15/2_ |
| 18. Ground Equipment Record Procedures | TM 4700-15/1 |

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX A - BASIC KNOWLEDGE AND SKILLS

EXAM ID: 21XXAA09

HOURS: 2.00

TITLE: Job Knowledge Test & Review 21XXAA01 Through 21XXAA07

19. Care and Use of Hand Tools

TM 9-243

20. MIMMS (AIS) FMSS

UM 4790-5

21. Publication Library Management System

UM-PLMS

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX A - BASIC KNOWLEDGE AND SKILLS

LESSON ID: 21XXAA10

HOURS: 0.50

TITLE: Movement to School

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
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ADMIN	0.50	8:1
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MEDIA: AIO

LESSON PURPOSE:

The Marines will march about 1/2 mile, from Building 3144 to Hatcher Hall to meet up with the ITRO portion of the course. This will be after 21XXAA09.

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX A - BASIC KNOWLEDGE AND SKILLS

LESSON ID: 21XXAA11

HOURS: 0.50

TITLE: Course Introduction

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	0.50	8:1

MEDIA: CPU, PPP, TV

LESSON PURPOSE:

This class will cover a general overview of the course content, testing procedures including the end of course exam, and initial counseling.

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX A - BASIC KNOWLEDGE AND SKILLS

LESSON ID: 21XXAA12

HOURS: 1.00

TITLE: Maintenance Management Overview

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
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L	1.00	8:1
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MEDIA: CPU, PPP, TV

LESSON PURPOSE:

This is a 1 hour period of instruction with 30 minutes on TD-2 and 30 minutes on TD-5. The purpose is to give the basic student some insight as to how maintenance management of ground ordnance equipment is conducted within the Marine Corps, what maintenance is, the elements of maintenance, maintenance management sub systems, and the categories of maintenance.

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX B - COMMON CORE T/O WEAPONS

LESSON ID: 21110B01

HOURS: 2.00

TITLE: Small Arms Repairman Tool Kit and Support Equipment

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	0.50	8:1
PA	1.50	8:1

MEDIA: AIO, CPU, HO, PPP, TV, WB

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, maintain armorer's tool kit and support equipment, in accordance with the references. (2111.01.01)

ENABLING LEARNING OBJECTIVE(S):

1. Given applicable resources, identify armorer's tool kit items, in accordance with the references. (2111.01.01a)
2. Given applicable resources, conduct an inventory of armorer's tool kit, in accordance with the references. (2111.01.01b)
3. Given applicable resources, identify M3 Borescope/Pullover Gage Kit items, in accordance with the references. (2111.01.01c)
4. Given applicable resources, conduct an inventory of the M3 Borescope and Pullover Gage Kit, in accordance with the references. (2111.01.01d)

REFERENCE

REFERENCE #

- | | |
|---------------------------------------|--------------------|
| 1. Small Arms Repairer Tool Kit | SC 518-95-CL-A07 |
| 2. Tool Kit, Small Arms Repairer | SL-3-00607A |
| 3. Ground Equipment Record Procedures | TM 4700-15/1 |
| 4. Care and Use of Hand Tools | TM 9-243 |
| 5. M3 Borscope | TM 9-4933-258-13&P |
| 6. PISTOL SEMIAUTOMATIC 9MM M9 | TM 9-6650-235-13&P |

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX B - COMMON CORE T/O WEAPONS

LESSON ID: 21110B02

HOURS: 8.00

TITLE: Fundamentals Of Small Arms

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
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L	8.00	8:1
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MEDIA: B, C, CWP, HO, PPP, TV, VCR, VT

LESSON PURPOSE:

This period of instruction will cover small arms weapons terminology, fundamentals of small arms, types of operations, basic components, and the cycle of operation. Information from this period of instruction is reinforced during job knowledge and performance tests in the remainder of the course.

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX B - COMMON CORE T/O WEAPONS

LESSON ID: 21110B03

HOURS: 16.00

TITLE: Maintain M9 9mm Semiautomatic Pistol

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	1.00	8:1
PA	15.00	8:1

MEDIA: AIO, HO, TV

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, maintain M9 9mm semiautomatic pistol, in accordance with the references. (2111.02.01)

ENABLING LEARNING OBJECTIVE(S):

1. Given applicable resources, clear the weapon, in accordance with the references. (2111.02.01a)
2. Given applicable resources, perform a function check, in accordance with the references. (2111.02.01b)
3. Given applicable resources, disassemble the weapon, in accordance with the references. (2111.02.01c)
4. Given applicable resources, assemble the weapon, in accordance with the references. (2111.02.01d)
5. Given applicable resources, perform a limited technical inspection (LTI), in accordance with the references. (2111.02.01e)
6. Given applicable resources, perform a pre-fire inspection (PFI), in accordance with the references. (2111.02.01f)
7. Given applicable resources, troubleshoot/isolate a malfunction, in accordance with the references. (2111.02.01g)
8. Given applicable resources, state the cycle of operation, in accordance with the references (2111.02.01h)
9. Given applicable resources, repair the malfunction, in accordance with the references. (2111.02.01i)
10. Given applicable resources, perform preventive maintenance checks and services (PMCS), in accordance with the references. (2111.02.01j)

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX B - COMMON CORE T/O WEAPONS

LESSON ID: 21110B03

HOURS: 16.00

TITLE: Maintain M9 9mm Semiautomatic Pistol

11. Given applicable resources, perform a Quality Control inspection, in accordance with the references. (2111.02.01k)

REFERENCE

REFERENCE #

- | | |
|--|------------------|
| 1. Pre-Fire Inspection Small Arms Weapon Ordnance Material | TI 8005-24/20 |
| 2. Pistol Semiautomatic 9mm M9 | TM 1005A-23&P/2A |
| 3. Ground Equipment Record Procedures | TM 4700-15/1 |

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX B - COMMON CORE T/O WEAPONS

EXAM ID: 21110B04

HOURS: 5.00

TITLE: Job Performance Test And Test Review 21110B03

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	0.20	8:1
X(P)	4.80	8:1

MEDIA: AIO

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, maintain M9 9mm semiautomatic pistol, in accordance with the references. (2111.02.01)

REFERENCE

REFERENCE #

- | | |
|--|------------------|
| 1. Pre-Fire Inspection Small Arms Weapon Ordnance Material | TI 8005-24/20 |
| 2. PISTOL SEMIAUTOMATIC 9MM M9 | TM 1005A-23&P/2A |
| 3. Ground Equipment Record Procedures | TM 4700-15/1 |

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX B - COMMON CORE T/O WEAPONS

EXAM ID: 21110B05

HOURS: 2.00

TITLE: Job Knowledge Test And Test Review 21110B01 and 21110B03

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	0.60	8:1
X(W)	1.40	8:1

MEDIA: TB

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, maintain M9 9mm semiautomatic pistol, in accordance with the references. (2111.02.01)
2. Given applicable resources, maintain armorer's tool kit and support equipment, in accordance with the references. (2111.01.01)

REFERENCE

REFERENCE #

- | | |
|--|------------------|
| 1. Applicable Equipment Modification Instruction | APPLICABLE MI |
| 2. Applicable Stock List SL-3 | APPLICABLE SL-3 |
| 3. Tool Kit, Small Arms Repairer | SL-3-00607A |
| 4. Pre-Fire Inspection Small Arms Weapon Ordnance Material | TI 8005-24/20 |
| 5. Pistol Semiautomatic 9mm M9 | TM 1005A-23&P/2A |
| 6. Care and Use of Hand Tools | TM 9-243 |

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX B - COMMON CORE T/O WEAPONS

LESSON ID: 21110B06

HOURS: 2.00

TITLE: Inspection/Maintenance

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
PA	2.00	8:1

MEDIA: AIO

LESSON PURPOSE:

Students will perform maintenance on weapon systems that were taught during the annex.

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX B - COMMON CORE T/O WEAPONS

LESSON ID: 21110B07

HOURS: 20.00

TITLE: Maintain M16A2 5.56mm Service Rifle

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	2.00	8:1
PA	18.00	8:1

MEDIA: AIO, CPU, HO, PPP, TV

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, maintain 5.56mm service rifles, in accordance with the references. (2111.02.03)

ENABLING LEARNING OBJECTIVE(S):

1. Given applicable resources, clear the weapon, in accordance with the references. (2111.02.03a)
2. Given applicable resources, perform function check, in accordance with the references. (2111.02.03b)
3. Given applicable resources, disassemble the weapon, in accordance with the references. (2111.02.03c)
4. Given applicable resources, assemble the weapon, in accordance with the references. (2111.02.03d)
5. Given applicable resources, perform limited technical inspection (LTI), in accordance with the references. (2111.02.03e)
6. Given applicable resources, perform pre-fire inspection (PFI), in accordance with the references. (2111.02.03f)
7. Given applicable resources, troubleshoot/isolate malfunction, in accordance with the references. (2111.02.03g)
8. Given applicable resources, state the cycle of operation, in accordance with the references. (2111.02.03h)
9. Given applicable resources, repair the malfunction, in accordance with the references. (2111.02.03i)
10. Given applicable resources, perform preventive maintenance checks and services (PMCS), in accordance with the references. (2111.02.03j)

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX B - COMMON CORE T/O WEAPONS

LESSON ID: 21110B07

HOURS: 20.00

TITLE: Maintain M16A2 5.56mm Service Rifle

11. Given applicable resources, perform QC inspection, in accordance with the references. (2111.02.03k)

REFERENCE

REFERENCE #

1. Required Technical Information for Current 5.56mm Service Rifle
2. Pre-Fire Inspection Small Arms Weapon Ordnance Material

TECH INFO 5.56MM
TI 8005-24/20

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX B - COMMON CORE T/O WEAPONS

LESSON ID: 21110B08

HOURS: 2.00

TITLE: Mount M203/Safety Wire

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	0.50	8:1
PA	1.50	8:1

MEDIA: AIO

LESSON PURPOSE:

This period of instruction teaches the student how to correctly mount and safety wire the M203 Grenade Launcher to the M16A2 rifle.

REFERENCE

REFERENCE #

1. Pre-Fire Inspection Small Arms Weapons Ordnance Material

TI 8005-24/20

2. M203 Grenade Launcher

TM 9-1010-221-24&P

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX B - COMMON CORE T/O WEAPONS

LESSON ID: 21110B09

HOURS: 4.00

TITLE: Maintain M203 40mm Grenade Launcher

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	1.00	8:1
PA	3.00	8:1

MEDIA: AIO, HO

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, maintain M203 40mm Grenade Launcher, in accordance with the references. (2111.02.05)

ENABLING LEARNING OBJECTIVE(S):

1. Given applicable resources, clear the weapon, in accordance with the references. (2111.02.05a)
2. Given applicable resources, perform function check, in accordance with the references. (2111.02.05b)
3. Given applicable resources, disassemble the weapon, in accordance with the references. (2111.02.05c)
4. Given applicable resources, assemble the weapon, in accordance with the references. (2111.02.05d)
5. Given applicable resources, perform limited technical inspection (LTI), in accordance with the references. (2111.02.05e)
6. Given applicable resources, perform pre-fire inspection (PFI), in accordance with the references. (2111.02.05f)
7. Given applicable resources, troubleshoot/isolate the malfunction, in accordance with the references. (2111.02.05g)
8. Given applicable resources, state the cycle of operation, in accordance with the references. (2111.02.05h)
9. Given applicable resources, repair the malfunction, in accordance with the references. (2111.02.05i)
10. Given applicable resources, perform preventive maintenance checks and services (PMCS), in accordance with the references. (2111.02.05j)

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX B - COMMON CORE T/O WEAPONS

LESSON ID: 21110B09

HOURS: 4.00

TITLE: Maintain M203 40mm Grenade Launcher

11. Given applicable resources, perform QC inspection, in accordance with the references. (2111.02.05k)

REFERENCE

REFERENCE #

- | | |
|--|--------------------|
| 1. Overseas Shipment of Small Arms | TB 9-1000-247-34 |
| 2. Pre-Fire Inspection Small Arms Weapon Ordnance Material | TI 8005-24/20 |
| 3. M203 Grenade Launcher | TM 9-1010-221-24&P |

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX B - COMMON CORE T/O WEAPONS

EXAM ID: 21110B10

HOURS: 5.00

TITLE: Job Performance Test And Test Review 21110B07 Thru 21110B09

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	0.20	8:1
X(P)	4.80	8:1

MEDIA: AIO, B, CWP, HO

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, maintain 5.56mm service rifles, in accordance with the references. (2111.02.03)
2. Given applicable resources, maintain M203 40mm Grenade Launcher, in accordance with the references. (2111.02.05)

REFERENCE

REFERENCE #

- | | |
|--|--------------------|
| 1. Overseas Shipment of Small Arms | TB 9-1000-247-34 |
| 2. Required Technical Information for Current 5.56mm Service Rifle | TECH INFO 5.56MM |
| 3. Pre-Fire Inspection Small Arms Weapon Ordnance Material | TI 8005-24/20 |
| 4. M203 Grenade Launcher | TM 9-1010-221-24&P |

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX B - COMMON CORE T/O WEAPONS

EXAM ID: 21110B11

HOURS: 2.00

TITLE: Job Knowledge Test And Test Review 21110B07 Thru 21110B09

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	0.60	8:1
X(W)	1.40	8:1

MEDIA: TB

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, maintain 5.56mm service rifles, in accordance with the references. (2111.02.03)
2. Given applicable resources, maintain M203 40mm Grenade Launcher, in accordance with the references. (2111.02.05)

REFERENCE

REFERENCE #

- | | |
|--|--------------------|
| 1. Overseas Shipment of Small Arms | TB 9-1000-247-34 |
| 2. Required Technical Information for Current 5.56mm Service Rifle | TECH INFO 5.56MM |
| 3. M203 Grenade Launcher | TM 9-1010-221-24&P |

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX B - COMMON CORE T/O WEAPONS

LESSON ID: 21110B12

HOURS: 2.00

TITLE: Inspection/Maintenance

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
PA	2.00	8:1

MEDIA: AIO

LESSON PURPOSE:

Students will perform maintenance on weapon systems that were taught during the Annex.

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX C - COMMON CORE LIGHT MACHINE GUNS

LESSON ID: 21110C01

HOURS: 12.00

TITLE: Maintain M249 5.56mm Squad Automatic Weapon (SAW)

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	1.00	8:1
PA	11.00	8:1

MEDIA: AIO, HO

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, maintain M249 5.56mm Squad Automatic Weapon (SAW), in accordance with the references. (2111.02.07)

ENABLING LEARNING OBJECTIVE(S):

1. Given applicable resources, clear the weapon, in accordance with the references. (2111.02.07a)
2. Given applicable resources, perform function check, in accordance with the references. (2111.02.07b)
3. Given applicable resources, disassemble the weapon, in accordance with the references. (2111.02.07c)
4. Given applicable resources, assemble the weapon, in accordance with the references. (2111.02.07d)
5. Given applicable resources, perform limited technical inspection (LTI), in accordance with the references. (2111.02.07e)
6. Given applicable resources, perform pre-fire inspection (PFI), in accordance with the references. (2111.02.07f)
7. Given applicable resources, troubleshoot/isolate the malfunction, in accordance with the references. (2111.02.07g)
8. Given applicable resources, state the cycle of operation, in accordance with the references. (2111.02.07h)
9. Given applicable resources, repair the malfunction, in accordance with the references. (2111.02.07i)
10. Given applicable resources, perform preventive maintenance checks and services (PMCS), in accordance with the references. (2111.02.07j)

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX C - COMMON CORE LIGHT MACHINE GUNS

LESSON ID: 21110C01

HOURS: 12.00

TITLE: Maintain M249 5.56mm Squad Automatic Weapon (SAW)

11. Given applicable resources, perform QC inspection, in accordance with the references. (2111.02.07k)

REFERENCE

REFERENCE #

- | | |
|--|---------------------|
| 1. Overseas Shipment of Small Arms | TB 9-1000-247-34 |
| 2. Pre-Fire Inspection Small Arms Weapon Ordnance Material | TI 8005-24/20 |
| 3. M240 Series Machine Gun | TM 08670A-23P/2A |
| 4. Machine Gun 5.56MM M249 | TM 08671A-23 & P/2A |

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX C - COMMON CORE LIGHT MACHINE GUNS

EXAM ID: 21110C02

HOURS: 3.00

TITLE: Job Performance Test And Test Review 21110C01

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	0.30	8:1
X(P)	2.70	8:1

MEDIA: AIO

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, maintain M249 5.56mm Squad Automatic Weapon (SAW), in accordance with the references. (2111.02.07)

REFERENCE

REFERENCE #

- | | |
|--|------------------|
| 1. Overseas Shipment of Small Arms | TB 9-1000-247-34 |
| 2. Pre-Fire Inspection Small Arms Weapon Ordnance Material | TI 8005-24/20 |
| 3. M240 Series Machine Gun | TM 08670A-23P/2A |

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX C - COMMON CORE LIGHT MACHINE GUNS

LESSON ID: 21110C03

HOURS: 15.00

TITLE: Maintain M240 7.62mm Machine Gun Variants

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	2.00	8:1
PA	13.00	8:1

MEDIA: AIO

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, maintain M240 7.62mm machine gun variants, in accordance with the references. (2111.02.08)

ENABLING LEARNING OBJECTIVE(S):

1. Given applicable resources, clear the weapon, in accordance with the references. (2111.02.08a)
2. Given applicable resources, perform function check, in accordance with the references. (2111.02.08b)
3. Given applicable resources, disassemble the weapon, in accordance with the references. (2111.02.08c)
4. Given applicable resources, assemble the weapon, in accordance with the references. (2111.02.08d)
5. Given applicable resources, perform limited technical inspection (LTI), in accordance with the references. (2111.02.08e)
6. Given applicable resources, perform pre-fire inspection (PFI), in accordance with the references. (2111.02.08f)
7. Given applicable resources, troubleshoot/isolate the malfunction, in accordance with the references. (2111.02.08g)
8. Given applicable resources, state the cycle of operation, in accordance with the references. (2111.02.08h)
9. Given applicable resources, repair the malfunction, in accordance with the references. (2111.02.08i)
10. Given applicable resources, perform preventive maintenance checks and services (PMCS), in accordance with the references. (2111.02.08j)

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX C - COMMON CORE LIGHT MACHINE GUNS

LESSON ID: 21110C03

HOURS: 15.00

TITLE: Maintain M240 7.62mm Machine Gun Variants

11. Given applicable resources, perform QC inspection, in accordance with the references. (2111.02.08k)

REFERENCE

REFERENCE #

- | | |
|--|------------------|
| 1. Overseas Shipment of Small Arms | TB 9-1000-247-34 |
| 2. Pre-Fire Inspection Small Arms Weapon Ordnance Material | TI 8005-24/20 |

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX C - COMMON CORE LIGHT MACHINE GUNS

EXAM ID: 21110C04

HOURS: 3.00

TITLE: Job Performance Test And Test Review 21110C03

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	0.30	8:1
X(P)	2.70	8:1

MEDIA: AIO

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, maintain M240 7.62mm machine gun variants, in accordance with the references. (2111.02.08)

REFERENCE

REFERENCE #

- | | |
|--|------------------|
| 1. Overseas Shipment of Small Arms | TB 9-1000-247-34 |
| 2. Pre-Fire Inspection Small Arms Weapon Ordnance Material | TI 8005-24/20 |

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX C - COMMON CORE LIGHT MACHINE GUNS

EXAM ID: 21110C05

HOURS: 2.00

TITLE: Job Knowledge Test And Test Review 21110C01 and 21110C03

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	0.60	8:1
X(W)	1.40	8:1

MEDIA: TB

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, maintain M249 5.56mm Squad Automatic Weapon (SAW), in accordance with the references. (2111.02.07)
2. Given applicable resources, maintain M240 7.62mm machine gun variants, in accordance with the references. (2111.02.08)

REFERENCE

REFERENCE #

- | | |
|--|---------------------|
| 1. Overseas Shipment of Small Arms | TB 9-1000-247-34 |
| 2. Pre-Fire Inspection Small Arms Weapon Ordnance Material | TI 8005-24/20 |
| 3. M240 Series Machine Gun | TM 08670A-23P/2A |
| 4. Machine Gun 5.56MM M249 | TM 08671A-23 & P/2A |

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX D - COMMON CORE HEAVY MACHINE GUNS

LESSON ID: 21110D01

HOURS: 2.50

TITLE: Mounts/Maintenance of M3, MK64, & T/E

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	0.50	8:1
PA	2.00	8:1

MEDIA: AIO, CWP, F, HO

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, maintain machine gun mounts, in accordance with the references. (2111.02.10)

ENABLING LEARNING OBJECTIVE(S):

1. Given applicable resources, perform limited technical inspection (LTI), in accordance with the references. (2111.02.10a)
2. Given applicable resources, perform preventive maintenance checks and services (PMCS), in accordance with the references. (2111.02.10b)
3. Given applicable resources, troubleshoot/isolate malfunction, in accordance with the references. (2111.02.10c)
4. Given applicable resources, repair the malfunction, in accordance with the references. (2111.02.10d)
5. Given applicable resources, perform Quality Control inspection, in accordance with the references. (2111.02.10e)

REFERENCE

REFERENCE #

1. Machine Gun Mounts

TM 9-1005-13&P/1

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX D - COMMON CORE HEAVY MACHINE GUNS

LESSON ID: 21110D02

HOURS: 25.00

TITLE: Maintain MK19 40mm Machine Gun

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	1.50	8:1
PA	23.50	8:1

MEDIA: AIO, HO

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, maintain MK19 40mm machine gun variants, in accordance with the references. (2111.02.11)

ENABLING LEARNING OBJECTIVE(S):

1. Given applicable resources, clear the weapon, in accordance with the references. (2111.02.11a)
2. Given applicable resources, perform function check, in accordance with the references. (2111.02.11b)
3. Given applicable resources, disassemble the weapon, in accordance with the references. (2111.02.11c)
4. Given applicable resources, assemble the weapon, in accordance with the references. (2111.02.11d)
5. Given applicable resources, perform limited technical inspection (LTI), in accordance with the references. (2111.02.11e)
6. Given applicable resources, perform pre-fire inspection (PFI), in accordance with the references. (2111.02.11f)
7. Given applicable resources, troubleshoot/isolate the malfunction, in accordance with the references. (2111.02.11g)
8. Given applicable resources, state the cycle of operation, in accordance with the references. (2111.02.11h)
9. Given applicable resources, repair the malfunction, in accordance with the references. (2111.02.11i)
10. Given applicable resources, perform preventive maintenance checks and services (PMCS), in accordance with the references. (2111.02.11j)

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX D - COMMON CORE HEAVY MACHINE GUNS

LESSON ID: 21110D02

HOURS: 25.00

TITLE: Maintain MK19 40mm Machine Gun

11. Given applicable resources, perform QC inspection, in accordance with the references. (2111.02.11k)

REFERENCE

REFERENCE #

- | | |
|--|-------------------|
| 1. Overseas Shipment of Small Arms | TB 9-1000-247-34 |
| 2. Pre-Fire Inspection Small Arms Weapon Ordnance Material | TI 8005-24/20 |
| 3. Machine gun 40MM MK19 MOD 3 | TM 08521A-23&P/2A |
| 4. Upgunned Weapon Station (UGWS) | TM 10004-25&P/2B |
| 5. Machine Gun Mounts | TM 9-1005-13&P/1 |

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX D - COMMON CORE HEAVY MACHINE GUNS

EXAM ID: 21110D03

HOURS: 4.00

TITLE: Job Performance Test And Test Review 21110D02

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	0.20	8:1
X(P)	3.80	8:1

MEDIA: AIO, HO

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, maintain MK19 40mm machine gun variants, in accordance with the references. (2111.02.11)

REFERENCE

REFERENCE #

- | | |
|--|-------------------|
| 1. Overseas Shipment of Small Arms | TB 9-1000-247-34 |
| 2. Pre-Fire Inspection Small Arms Weapon Ordnance Material | TI 8005-24/20 |
| 3. Machine gun 40MM MK19 MOD 3 | TM 08521A-23&P/2A |
| 4. Upgunned Weapon Station (UGWS) | TM 10004-25&P/2B |
| 5. Machine Gun Mounts | TM 9-1005-13&P/1 |

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX D - COMMON CORE HEAVY MACHINE GUNS

EXAM ID: 21110D04

HOURS: 2.00

TITLE: Job Knowledge Test 21110D01 and 21110D02

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	0.60	8:1
X(W)	1.40	8:1

MEDIA: TB

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, maintain machine gun mounts, in accordance with the references. (2111.02.10)
2. Given applicable resources, maintain MK19 40mm machine gun variants, in accordance with the references. (2111.02.11)

REFERENCE

REFERENCE #

- | | |
|--|-------------------|
| 1. Overseas Shipment of Small Arms | TB 9-1000-247-34 |
| 2. Pre-Fire Inspection Small Arms Weapon Ordnance Material | TI 8005-24/20 |
| 3. Machine gun 40MM MK19 MOD 3 | TM 08521A-23&P/2A |
| 4. Upgunned Weapon Station (UGWS) | TM 10004-25&P/2B |
| 5. Machine Gun Mounts | TM 9-1005-13&P/1 |

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX D - COMMON CORE HEAVY MACHINE GUNS

LESSON ID: 21110D05

HOURS: 2.00

TITLE: Inspection & Maintenance

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
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PA	2.00	8:1
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MEDIA: AIO

LESSON PURPOSE:

Students will perform maintenance on weapon systems that were taught during this annex.

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX D - COMMON CORE HEAVY MACHINE GUNS

LESSON ID: 21110D06

HOURS: 21.50

TITLE: Maintain M2 Machine Gun

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
D	2.00	8:1
PA	19.50	8:1

MEDIA: AIO, HO

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, maintain M2 .50 caliber machine gun variants, in accordance with the references. (2111.02.09)

ENABLING LEARNING OBJECTIVE(S):

1. Given applicable resources, clear the weapon, in accordance with the references. (2111.02.09a)
2. Given applicable resources, perform function check, in accordance with the references. (2111.02.09b)
3. Given applicable resources, disassemble the weapon, in accordance with the references. (2111.02.09c)
4. Given applicable resources, assemble the weapon, in accordance with the references. (2111.02.09d)
5. Given applicable resources, perform limited technical inspection (LTI), in accordance with the references. (2111.02.09e)
6. Given applicable resources, perform pre-fire inspection (PFI), in accordance with the references. (2111.02.09f)
7. Given applicable resources, troubleshoot/isolate the malfunction, in accordance with the references. (2111.02.09g)
8. Given applicable resources, state the cycle of operation, in accordance with the references. (2111.02.09h)
9. Given applicable resources, repair the malfunction, in accordance with the references. (2111.02.09i)
10. Given applicable resources, perform preventive maintenance checks and services (PMCS), in accordance with the references. (2111.02.09j)

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX D - COMMON CORE HEAVY MACHINE GUNS

LESSON ID: 21110D06

HOURS: 21.50

TITLE: Maintain M2 Machine Gun

11. Given applicable resources, perform QC inspection, in accordance with the references. (2111.02.09k)

REFERENCE

REFERENCE #

- | | |
|--|------------------|
| 1. Overseas Shipment of Small Arms | TB 9-1000-247-34 |
| 2. Pre-Fire Inspection Small Arms Weapon Ordnance Material | TI 8005-24/20 |
| 3. M2 Gun, Machine | TM 02498A-23&P |
| 4. M3P 50 Caliber Machine Gun | TM 09724A-24&P/2 |
| 5. Upgunned Weapon Station (UGWS) | TM 10004-25&P/2B |
| 6. M3P 50 Caliber Machine Gun | TM 1015-24&P |

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX D - COMMON CORE HEAVY MACHINE GUNS

EXAM ID: 21110D07

HOURS: 5.00

TITLE: Job Performance Test And Test Review 21110D06

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	0.20	8:1
X(P)	4.80	8:1

MEDIA: AIO

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, maintain M2 .50 caliber machine gun variants, in accordance with the references. (2111.02.09)

REFERENCE

REFERENCE #

- | | |
|--|------------------|
| 1. Overseas Shipment of Small Arms | TB 9-1000-247-34 |
| 2. Pre-Fire Inspection Small Arms Weapon Ordnance Material | TI 8005-24/20 |
| 3. Upgunned Weapon Station (UGWS) | TM 10004-25&P/2B |

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX D - COMMON CORE HEAVY MACHINE GUNS

EXAM ID: 21110D08

HOURS: 2.00

TITLE: Job Knowledge Test And Test Review 21110D06

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	0.60	8:1
X(W)	1.40	8:1

MEDIA: TB

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, maintain M2 .50 caliber machine gun variants, in accordance with the references. (2111.02.09)

REFERENCE

REFERENCE #

- | | |
|--|------------------|
| 1. Overseas Shipment of Small Arms | TB 9-1000-247-34 |
| 2. Pre-Fire Inspection Small Arms Weapon Ordnance Material | TI 8005-24/20 |
| 3. M2 Gun, Machine | TM 02498A-23&P |
| 4. Upgunned Weapon Station (UGWS) | TM 10004-25&P/2B |

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX D - COMMON CORE HEAVY MACHINE GUNS

LESSON ID: 21110D09

HOURS: 4.00

TITLE: Cannon Tube Evalutaion

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	0.50	8:1
PA	3.50	8:1

MEDIA: AIO, HO, MU, TV, VCR, VT

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, maintain armorer's tool kit and support equipment, in accordance with the references. (2111.01.01)

ENABLING LEARNING OBJECTIVE(S):

1. Given applicable resources, utilize an M3 Borescope to inspect a mortar tube, in accordance with the references. (2111.01.01e)
2. Given applicable resources, utilize a Pullover Gage Kit to measure a mortar tube, in accordance with the references. (2111.01.01f)

REFERENCE

REFERENCE #

- | | |
|---------------------------------------|--------------------|
| 1. Mortar 60MM Lightweight M224 | TM 08206A-23&P/2 |
| 2. Ground Equipment Record Procedures | TM 4700-15/1 |
| 3. Pullover Gauge Kit | TM 9-4933-258-13&P |

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX E - COMMON CORE MORTAR WEAPON SYSTEMS

LESSON ID: 21110E01

HOURS: 18.00

TITLE: Maintain M224 60mm Mortar System

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	1.00	8:1
PA	17.00	8:1

MEDIA: AIO, HO, PPP, TV, VCR

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, maintain M224 60mm mortar system, in accordance with the references. (2111.02.13)

ENABLING LEARNING OBJECTIVE(S):

1. Given applicable resources, clear the weapon, in accordance with the references. (2111.02.13a)
2. Given applicable resources, perform function check, in accordance with the references. (2111.02.13b)
3. Given applicable resources, disassemble the weapon, in accordance with the references. (2111.02.13c)
4. Given applicable resources, assemble the weapon, in accordance with the references. (2111.02.13d)
5. Given applicable resources, perform limited technical inspection (LTI), in accordance with the references. (2111.02.13e)
6. Given applicable resources, perform pre-fire inspection (PFI), in accordance with the references. (2111.02.13f)
7. Given applicable resources, perform cannon tube evaluation, in accordance with the references. (2111.02.13g)
8. Given applicable resources, troubleshoot/isolate the malfunction, in accordance with the references. (2111.02.13h)
9. Given applicable resources, state the cycle of operation, in accordance with the references. (2111.02.13i)
10. Given applicable resources, repair the malfunction, in accordance with the references. (2111.02.13j)

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX E - COMMON CORE MORTAR WEAPON SYSTEMS

LESSON ID: 21110E01

HOURS: 18.00

TITLE: Maintain M224 60mm Mortar System

11. Given applicable resources, perform preventive maintenance checks and services (PMCS), in accordance with the references. (2111.02.13k)
12. Given applicable resources, perform QC inspection, in accordance with the references. (2111.02.13l)

REFERENCE

REFERENCE #

- | | |
|--|------------------|
| 1. Pre-Fire Inspection Small Arms Weapon Ordnance Material | TI 8005-24/20 |
| 2. Mortar 60MM Lightweight M224 | TM 08206A-23&P/2 |
| 3. Ground Equipment Record Procedures | TM 4700-15/1 |
| 4. Cannon Tube Evaluation | TM 9-1000-202-14 |

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX E - COMMON CORE MORTAR WEAPON SYSTEMS

LESSON ID: 21110E02

HOURS: 12.00

TITLE: Maintain M252 81mm Mortar System

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	1.00	8:1
PA	11.00	8:1

MEDIA: AIO, HO

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, maintain M252 81mm mortar system, in accordance with the references. (2111.02.14)

ENABLING LEARNING OBJECTIVE(S):

1. Given applicable resources, clear the weapon, in accordance with the references. (2111.02.14a)
2. Given applicable resources, disassemble the weapon, in accordance with the references. (2111.02.14b)
3. Given applicable resources, assemble the weapon, in accordance with the references. (2111.02.14c)
4. Given applicable resources, perform limited technical inspection (LTI), in accordance with the references. (2111.02.14d)
5. Given applicable resources, perform pre-fire inspection (PFI), in accordance with the references. (2111.02.14e)
6. Given applicable resources, perform cannon tube evaluation, in accordance with the references. (2111.02.14f)
7. Given applicable resources, troubleshoot/isolate the malfunction, in accordance with the references. (2111.02.14g)
8. Given applicable resources, state the cycle of operation, in accordance with the references. (2111.02.14h)
9. Given applicable resources, repair the malfunction, in accordance with the references. (2111.02.14i)
10. Given applicable resources, perform preventive maintenance checks and services (PMCS), in accordance with the references. (2111.02.14j)

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX E - COMMON CORE MORTAR WEAPON SYSTEMS

LESSON ID: 21110E02

HOURS: 12.00

TITLE: Maintain M252 81mm Mortar System

11. Given applicable resources, perform QC inspection, in accordance with the references. (2111.02.14k)

REFERENCE

REFERENCE #

- | | |
|--|-------------------|
| 1. Pre-Fire Inspection Small Arms Weapon Ordnance Material | TI 8005-24/20 |
| 2. 81MM Mortar M252 | TM 09922A-23 &P/2 |
| 3. Ground Equipment Record Procedures | TM 4700-15/1 |
| 4. Cannon Tube Evaluation | TM 9-1000-202-14 |

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX E - COMMON CORE MORTAR WEAPON SYSTEMS

EXAM ID: 21110E03

HOURS: 3.00

TITLE: Job Performance Test And Test Review 21110E01 and 21110E02

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	0.20	8:1
X(P)	2.80	8:1

MEDIA: AIO

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, maintain M224 60mm mortar system, in accordance with the references. (2111.02.13)
2. Given applicable resources, maintain M252 81mm mortar system, in accordance with the references. (2111.02.14)

REFERENCE

REFERENCE #

- | | |
|--|-------------------|
| 1. Pre-Fire Inspection Small Arms Weapon Ordnance Material | TI 8005-24/20 |
| 2. Mortar 60MM Lightweight M224 | TM 08206A-23&P/2 |
| 3. 81MM Mortar M252 | TM 09922A-23 &P/2 |
| 4. Ground Equipment Record Procedures | TM 4700-15/1 |
| 5. Cannon Tube Evaluation | TM 9-1000-202-14 |

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX E - COMMON CORE MORTAR WEAPON SYSTEMS

LESSON ID: 21110E04

HOURS: 2.00

TITLE: Inspection/Maintenance

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
PA	2.00	8:1

MEDIA: AIO

LESSON PURPOSE:

Students will perform maintenance on weapon systems that were taught during the annex.

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX E - COMMON CORE MORTAR WEAPON SYSTEMS

EXAM ID: 21110E05

HOURS: 2.00

TITLE: Job Knowledge Test And Test Review 21110E01 and 21110E02

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	0.60	8:1
X(W)	1.40	8:1

MEDIA: TB

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, maintain M224 60mm mortar system, in accordance with the references. (2111.02.13)
2. Given applicable resources, maintain M252 81mm mortar system, in accordance with the references. (2111.02.14)

REFERENCE

REFERENCE #

- | | |
|--|-------------------|
| 1. Pre-Fire Inspection Small Arms Weapon Ordnance Material | TI 8005-24/20 |
| 2. Mortar 60MM Lightweight M224 | TM 08206A-23&P/2 |
| 3. 81MM Mortar M252 | TM 09922A-23 &P/2 |
| 4. Ground Equipment Record Procedures | TM 4700-15/1 |
| 5. Cannon Tube Evaluation | TM 9-1000-202-14 |

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX F - PHYSICAL SECURITY

LESSON ID: 21110F01

HOURS: 16.00

TITLE: Physical Security

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
D	4.00	8:1
L	3.00	8:1
PA	9.00	8:1

MEDIA: AIO, CPU, HO, PPP, TV

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, perform armory procedures, in accordance with the references. (2111.03.06)

ENABLING LEARNING OBJECTIVE(S):

1. Given applicable resources, identify requirements for security and storage of government AA&E weapons/ammunition, in accordance with the references. (2111.03.06v)
2. Given applicable resources, identify requirements for security and storage of non-government AA&E weapons and/or ammunition, in accordance with the references. (2111.03.06a)
3. Given applicable resources, identify training requirements for deadly force, in accordance with the references. (2111.03.06b)
4. Given applicable resources, identify armory access procedures, in accordance with the references. (2111.03.06c)
5. Given applicable resources, perform weapons accountability procedures, in accordance with the references. (2111.03.06d)
6. Given applicable resources, identify requirements for arming of law enforcement and security personnel, in accordance with the references. (2111.03.06e)
7. Given applicable resources, identify lock and key control procedures, in accordance with the references. (2111.03.06f)
8. Given applicable resources, perform armory opening and closing procedures, in accordance with the references. (2111.03.06g)
9. Given applicable resources, perform issue and recovery procedures, in accordance with the references. (2111.03.06h)

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX F - PHYSICAL SECURITY

LESSON ID: 21110F01

HOURS: 16.00

TITLE: Physical Security

10. Given applicable resources, identify security ammunition control and accountability procedures, in accordance with the references. (2111.03.06i)
11. Given applicable resources, identify AA&E screening requirements, in accordance with the references. (2111.03.06j)
12. Given applicable resources, identify weapon security requirements during transportation, in accordance with the references. (2111.03.06k)
13. Given applicable resources, identify on hand assets containing radiological material, in accordance with the references. (2111.03.06t)
14. Given applicable resources, utilize required handling protection when working with assets containing radiological material, in accordance with the references. (2111.03.06u)

REFERENCE

REFERENCE #

- | | |
|--|-------------------|
| 1. Local Policies/Procedures | LOCAL POLICIES |
| 2. Physical Security for Arms, Ammunition, and Explosives | MCO 5500.13 |
| 3. Arming of Security and Law Enforcement (LE) Personnel and the Use of Force | MCO 5500.6 |
| 4. Marine Corps Physical Security Program Manual | MCO 5530.14 |
| 5. USMC Serial CNTL SM Arms Sys | MCO 8300.1 |
| 6. Consumer Level Policy Manual | MCO P4400.150_ |
| 7. MIMMS Field Procedures Manual | MCO P4790.2_ |
| 8. Physical Security Instruction for Conventional Arms, Ammunition, and Explosives | OPNAVINST 5530.13 |
| 9. Physical Security and Loss Prevention | OPNAVINST 5530.14 |
| 10. Ground Equipment Record Procedures | TM 4700-15/1 |
| 11. MIMMS Field Procedures Manual | UM 4400-124 |
| 12. FMF SASSY Using Unit Procedures | UM 4400.124 |

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX F - PHYSICAL SECURITY

LESSON ID: 21110F02

HOURS: 6.50

TITLE: NAVMC Forms

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	2.00	8:1
PA	4.50	8:1

MEDIA: AIO, CPU, HO, PPP, TV

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, perform armory procedures, in accordance with the references. (2111.03.06)

ENABLING LEARNING OBJECTIVE(S):

1. Given applicable resources, complete NAVMC form 10576 (Memorandum Receipt For Individual Weapon and Accessories), in accordance with the references. (2111.03.06l)
2. Given applicable resources, identify authorization requirements to sign NAVMC 10576 (Memorandum Receipt For Individual Weapon and Accessories), in accordance with the references. (2111.03.06m)
3. Given applicable resources, complete NAVMC 10520 (Weapon Custody Receipt), in accordance with the references. (2111.03.06n)
4. Given applicable resources, identify authorization requirements to sign NAVMC 10520 (Weapon Custody Receipt), in accordance with the references. (2111.03.06o)
5. Given applicable resources, complete NAVMC 11186 (Crew Served Weapons Card), in accordance with the references. (2111.03.06p)
6. Given applicable resources, identify the authorization requirements to draw crew serve weapons, in accordance with the references. (2111.03.06q)
7. Given applicable resources, complete NAVMC 10558A (Weapons Record Book, Part II), in accordance with the references. (2111.03.06r)
8. Given applicable resources, complete NAVMC 10561 (Preventive Maintenance Checks and Services), in accordance with the references. (2111.03.06s)

REFERENCE

1. Ground Equipment Record Procedures

REFERENCE #

TM 4700-15/1

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX F - PHYSICAL SECURITY

LESSON ID: 21110F02

HOURS: 6.50

TITLE: NAVMC Forms

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX F - PHYSICAL SECURITY

LESSON ID: 21110F03

HOURS: 0.50

TITLE: Corrosion Prevention And Control (CPAC)

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
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L	0.50	8:1
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MEDIA: CPU, HO, PPP, TV

LESSON PURPOSE:

This period of instruction is designed to familiarize the students with corrosion prevention and control methods.

REFERENCE

REFERENCE #

- | | |
|--|------------|
| 1. Organization Corrosion Prevention and Control Procedures for USMC Equipment | TM 4795-CD |
|--|------------|

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX F - PHYSICAL SECURITY

EXAM ID: 21110F04

HOURS: 4.00

TITLE: Job Performance Test & Review 21110F01 Thru 21110F02

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	0.10	8:1
X(P)	3.90	8:1

MEDIA: AIO, HO

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, perform armory procedures, in accordance with the references. (2111.03.06)

REFERENCE

REFERENCE #

- | | |
|--|-------------------|
| 1. Local Policies/Procedures | LOCAL POLICIES |
| 2. Physical Security for Arms, Ammunition, and Explosives | MCO 5500.13 |
| 3. Arming of Security and Law Enforcement (LE) Personnel and the Use of Force | MCO 5500.6 |
| 4. USMC Serial CNTL SM Arms Sys | MCO 8300.1 |
| 5. Physical Security Instruction for Conventional Arms, Ammunition, and Explosives | OPNAVINST 5530.13 |

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX F - PHYSICAL SECURITY

EXAM ID: 21110F05

HOURS: 2.00

TITLE: Job Knowledge Test & Review 21110F01 Thru 21110F02

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	0.10	8:1
X(W)	1.90	8:1

MEDIA: TB

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, perform armory procedures, in accordance with the references. (2111.03.06)

REFERENCE

REFERENCE #

- | | |
|---|-------------------|
| 1. Local Policies/Procedures | LOCAL POLICIES |
| 2. Reporting Missing, Lost, Stolen, or Recovered (MLSR)
Government Property | MCO 4340.1 |
| 3. Arming of Security and Law Enforcement (LE) Personnel and the
Use of Force | MCO 5500.6 |
| 4. USMC Serial CNTL SM Arms Sys | MCO 8300.1 |
| 5. Radioactive Commodities DOD SYS | MCO P4400.105 |
| 6. Catalog of Publications | NAVMC 2761 |
| 7. Radiation Safety | NAVSEATM-50420-AA |
| 8. Physical Security Instruction for Conventional Arms,
Ammunition, and Explosives | OPNAVINST 5530.13 |

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX G - ARMORY OPERATIONS AND WEAPONS MAINTENANCE

LESSON ID: 21110G01

HOURS: 8.00

TITLE: Maintenance Management Program

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	2.00	8:1
PA	6.00	8:1

MEDIA: AIO, CPU, HO, PPP

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, perform armory procedures, in accordance with the references. (2111.03.06)

ENABLING LEARNING OBJECTIVE(S):

1. Given applicable resources, utilize non-technical publications, in accordance with the references. (2111.03.06w)
2. Given applicable resources, utilize the Infantry Weapons Gage Calibration Program (IWGCP), in accordance with the references. (2111.03.06x)
3. Given applicable resources, identify the requirements for control of kits, sets, chests and special tools, in accordance with the references. (2111.03.06y)
4. Given applicable resources, conduct an inventory using a Marine Corps Stock List (SL-3), in accordance with the references. (2111.03.06z)
5. Given applicable resources, identify the purpose of MIMMS output reports, in accordance with the references. (2111.03.06aa)
6. Given applicable resources, identify the purpose of a Product Quality Deficiency Report (PQDR), in accordance with the references. (2111.03.06ab)

REFERENCE

REFERENCE #

- | | |
|--|-----------------|
| 1. Applicable Equipment Modification Instruction | APPLICABLE MI |
| 2. Applicable Stock List SL-3 | APPLICABLE SL-3 |
| 3. Applicable Equipment Technical Publications | APPLICABLE TM |
| 4. Consumer Level Policy Manual | MCO P4400.150_ |
| 5. MIMMS Field Procedures Manual | MCO P4790.2_ |
| 6. USMC Technical Publication System | MCO P5215.17 |

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX G - ARMORY OPERATIONS AND WEAPONS MAINTENANCE

LESSON ID: 21110G01

HOURS: 8.00

TITLE: Maintenance Management Program

- | | |
|---|-------------------|
| 7. Catalog of Publications | NAVMC 2761 |
| 8. Physical Security Instruction for Conventional Arms,
Ammunition, and Explosives | OPNAVINST 5530.13 |
| 9. Index of Authorized Publications for Equipment Support | SL 1-2 |
| 10. Index of Authorized Publications for Equipment Support | SL 1-3 |
| 11. Calibration Requirements USMC TMDE CAMP | TI-4733-15/1 |
| 12. Ground Equipment Record Procedures | TM 4700-15/1 |
| 13. FMF SASSY Using Unit Procedure | UM 4400-124 |
| 14. MIMMS (AIS) FMSS | UM 4790-5 |

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX G - ARMORY OPERATIONS AND WEAPONS MAINTENANCE

LESSON ID: 21110G02

HOURS: 2.00

TITLE: Fundamentals of Optics

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	1.00	8:1
PA	1.00	8:1

MEDIA: AIO, CPU, PPP, TV

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, maintain ground ordnance optical devices, in accordance with the references. (2111.02.15)

ENABLING LEARNING OBJECTIVE(S):

1. Given applicable resources, identify night vision equipment, in accordance with the references. (2111.02.15a)
2. Given applicable resources, identify LASER equipment, in accordance with the references. (2111.02.15b)
3. Given applicable resources, identify scopes, in accordance with the references. (2111.02.15c)
4. Given applicable resources, perform operational check on optical devices, in accordance with the references. (2111.02.15d)
5. Given applicable resources, perform preventive maintenance checks and services (PMCS) on optical devices, in accordance with the references. (2111.02.15e)

REFERENCE

REFERENCE #

- | | |
|---|-------------------|
| 1. Radioactive Commodities DOD SYS | MCO P4400.105 |
| 2. Radiation Safety | NAVSEATM-50420-AA |
| 3. Required Technical Information for On Hand Optical Devices | TECH INFO OPTICS |
| 4. Ground Equipment Record Procedures | TM 4700-15/1 |

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX G - ARMORY OPERATIONS AND WEAPONS MAINTENANCE

LESSON ID: 21110G03

HOURS: 2.00

TITLE: Maintain M40 Series Sniper Rifle

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	1.00	8:1
PA	1.00	8:1

MEDIA: AIO, CPU, HO, PPP, TV

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, maintain M40 Series Sniper Rifle, in accordance with the references. (2111.02.16)

ENABLING LEARNING OBJECTIVE(S):

1. Given applicable resources, clear the weapon, in accordance with the references. (2111.02.16a)
2. Given applicable resources, perform function check, in accordance with the references. (2111.02.16b)
3. Given applicable resources, disassemble the weapon, in accordance with the references. (2111.02.16c)
4. Given applicable resources, assemble the weapon, in accordance with the references. (2111.02.16d)
5. Given applicable resources, perform limited technical inspection (LTI), in accordance with the references. (2111.02.16e)
6. Given applicable resources, perform pre-fire inspection (PFI), in accordance with the references. (2111.02.16f)
7. Given applicable resources, troubleshoot/isolate the malfunction, in accordance with the references. (2111.02.16g)
8. Given applicable resources, state the cycle of operation, in accordance with the references. (2111.02.16h)
9. Given applicable resources, repair the malfunction, in accordance with the references. (2111.02.16i)
10. Given applicable resources, perform preventive maintenance checks and services (PMCS), in accordance with the references. (2111.02.16j)

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX G - ARMORY OPERATIONS AND WEAPONS MAINTENANCE

LESSON ID: 21110G03

HOURS: 2.00

TITLE: Maintain M40 Series Sniper Rifle

11. Given applicable resources, perform QC inspection, in accordance with the references. (2111.02.16k)

REFERENCE

REFERENCE #

1. Pre-Fire Inspection Small Arms Weapons Ordnance Material

TI 8005-24/20

2. M40A1 Sniper Rifle 7.62MM

TM 05539C-23&P

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX G - ARMORY OPERATIONS AND WEAPONS MAINTENANCE

LESSON ID: 21110G04

HOURS: 2.00

TITLE: Maintain .50 Caliber Special Application Scoped Rifle (SASR)

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	0.25	8:1
PA	1.75	8:1

MEDIA: AIO, HO

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, maintain .50 Caliber Special Application Scoped Rifle (SASR), in accordance with the references. (2111.02.04)

ENABLING LEARNING OBJECTIVE(S):

1. Given applicable resources, clear the weapon, in accordance with the references. (2111.02.04a)
2. Given applicable resources, perform function check, in accordance with the references. (2111.02.04b)
3. Given applicable resources, disassemble the weapon, in accordance with the references. (2111.02.04c)
4. Given applicable resources, assemble the weapon, in accordance with the references. (2111.02.04d)
5. Given applicable resources, perform limited technical inspection (LTI), in accordance with the references. (2111.02.04e)
6. Given applicable resources, perform pre-fire inspection (PFI), in accordance with the references. (2111.02.04f)
7. Given applicable resources, troubleshoot/isolate the malfunction, in accordance with the references. (2111.02.04g)
8. Given applicable resources, state the cycle of operation, in accordance with the references. (2111.02.04h)
9. Given applicable resources, repair the malfunction, in accordance with the references. (2111.02.04i)
10. Given applicable resources, perform preventive maintenance checks and services (PMCS), in accordance with the references. (2111.02.04j)

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX G - ARMORY OPERATIONS AND WEAPONS MAINTENANCE

LESSON ID: 21110G04

HOURS: 2.00

TITLE: Maintain .50 Caliber Special Application Scoped Rifle (SASR)

11. Given applicable resources, perform QC inspection, in accordance with the references. (2111.02.04k)

REFERENCE

REFERENCE #

1. Required Technical Information for Current .50 Caliber (SASR) TECH INFO SASR
2. Pre-Fire Inspection Small Arms Weapons Ordnance Material TI 8005-24/20

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX G - ARMORY OPERATIONS AND WEAPONS MAINTENANCE

LESSON ID: 21110G05

HOURS: 2.00

TITLE: Introduction To The M4A1 Carbine

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	0.25	8:1
PA	1.75	8:1

MEDIA: AIO, HO

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, maintain 5.56mm service rifles, in accordance with the references. (2111.02.03)

ENABLING LEARNING OBJECTIVE(S):

1. Given applicable resources, clear the weapon, in accordance with the references. (2111.02.03a)
2. Given applicable resources, perform function check, in accordance with the references. (2111.02.03b)
3. Given applicable resources, disassemble the weapon, in accordance with the references. (2111.02.03c)
4. Given applicable resources, assemble the weapon, in accordance with the references. (2111.02.03d)
5. Given applicable resources, perform limited technical inspection (LTI), in accordance with the references. (2111.02.03e)
6. Given applicable resources, perform pre-fire inspection (PFI), in accordance with the references. (2111.02.03f)
7. Given applicable resources, troubleshoot/isolate malfunction, in accordance with the references. (2111.02.03g)
8. Given applicable resources, state the cycle of operation, in accordance with the references. (2111.02.03h)
9. Given applicable resources, repair the malfunction, in accordance with the references. (2111.02.03i)
10. Given applicable resources, perform preventive maintenance checks and services (PMCS), in accordance with the references. (2111.02.03j)

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX G - ARMORY OPERATIONS AND WEAPONS MAINTENANCE

LESSON ID: 21110G05

HOURS: 2.00

TITLE: Introduction To The M4A1 Carbine

11. Given applicable resources, perform QC inspection, in accordance with the references. (2111.02.03k)

REFERENCE

REFERENCE #

1. Pre-Fire Inspection Small Arms Weapon Ordnance Material

TECH INFO 5.56MM

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX G - ARMORY OPERATIONS AND WEAPONS MAINTENANCE

LESSON ID: 21110G06

HOURS: 7.00

TITLE: M1014 Shotgun

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	1.00	8:1
PA	6.00	8:1

MEDIA: AIO, CPU, HO, PPP, TV

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, maintain 12 gage series shotguns, in accordance with the references. (2111.02.02)

ENABLING LEARNING OBJECTIVE(S):

1. Given applicable resources, clear the weapon, in accordance with the references. (2111.02.02a)
2. Given applicable resources, perform a function check, in accordance with the references. (2111.02.02b)
3. Given applicable resources, disassemble the weapon, in accordance with the references. (2111.02.02c)
4. Given applicable resources, assemble the weapon, in accordance with the references. (2111.02.02d)
5. Given applicable resources, perform a limited technical inspection (LTI), in accordance with the references. (2111.02.02e)
6. Given applicable resources, perform a pre-fire inspection (PFI), in accordance with the references. (2111.02.02f)
7. Given applicable resources, troubleshoot/isolate the malfunction, in accordance with the reference. (2111.02.02g)
8. Given applicable resources, state the cycle of operation, in accordance with the reference. (2111.02.02h)
9. Given applicable resources, repair the malfunction, in accordance with the reference. (2111.02.02i)
10. Given applicable resources, perform preventive maintenance checks and services (PMCS), in accordance with the reference. (2111.02.02j)

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX G - ARMORY OPERATIONS AND WEAPONS MAINTENANCE

LESSON ID: 21110G06

HOURS: 7.00

TITLE: M1014 Shotgun

11. Given applicable resources, perform a QC inspection, in accordance with the reference. (2111.02.02k)

REFERENCE

REFERENCE #

- | | |
|--|------------------|
| 1. Overseas Shipment of Small Arms | TB 9-1000-247-34 |
| 2. Pre-Fire Inspection Small Arms Weapon Ordnance Material | TI 8005-24/20 |
| 3. Shotgun Riot Type M870 MK1 | TM 07172A-15 |
| 4. Shotgun M1200 Winchester | TM 1005A-303-14 |

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX H - SMAW AND END OF COURSE TESTING

LESSON ID: 21110H01

HOURS: 10.00

TITLE: Maintain MK153 83mm Rocket Launcher

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	1.00	8:1
PA	9.00	8:1

MEDIA: AIO, CPU, HO, PPP, TV

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, maintain MK 153 83mm Rocket Launcher, in accordance with the references. (2111.02.12)

ENABLING LEARNING OBJECTIVE(S):

1. Given applicable resources, clear the weapon, in accordance with the references. (2111.02.12a)
2. Given applicable resources, perform function check, in accordance with the references. (2111.02.12b)
3. Given applicable resources, disassemble the weapon,, in accordance with the references. (2111.02.12c)
4. Given applicable resources, assemble the weapon, in accordance with the references. (2111.02.12d)
5. Given applicable resources, perform limited technical inspection (LTI), in accordance with the references. (2111.02.12e)
6. Given applicable resources, perform pre-fire inspection (PFI), in accordance with the references. (2111.02.12f)
7. Given applicable resources, boresight weapon, in accordance with the references. (2111.02.12g)
8. Given applicable resources, troubleshoot/isolate the malfunction, in accordance with the references. (2111.02.12h)
9. Given applicable resources, state the cycle of operation, in accordance with the references. (2111.02.12i)
10. Given applicable resources, repair the malfunction, in accordance with the references. (2111.02.12j)

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX H - SMAW AND END OF COURSE TESTING

LESSON ID: 21110H01

HOURS: 10.00

TITLE: Maintain MK153 83mm Rocket Launcher

11. Given applicable resources, perform preventive maintenance checks and services (PMCS), in accordance with the references. (2111.02.12k)
12. Given applicable resources, perform QC inspection, in accordance with the references. (2111.02.12l)

REFERENCE

REFERENCE #

1. Launcher, Assault Rocket 83MM (SMAW)

TM 08673A-25&P/2

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX H - SMAW AND END OF COURSE TESTING

EXAM ID: 21110H02

HOURS: 3.00

TITLE: Job Performance Test And Test Review 21110H01

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	0.10	8:1
X(P)	2.90	8:1

MEDIA: AIO

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, maintain MK 153 83mm Rocket Launcher, in accordance with the references. (2111.02.12)

REFERENCE

REFERENCE #

- | | |
|--|------------------|
| 1. Pre-Fire Inspection Small Arms Weapon Ordnance Material | TI 8005-24/20 |
| 2. Launcher, Assault Rocket 83MM (SMAW) | TM 08673A-25&P/2 |

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX H - SMAW AND END OF COURSE TESTING

EXAM ID: 21110H03

HOURS: 2.00

TITLE: Job Knowledge Test And Test Review 21110H01

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	0.10	8:1
X(W)	1.90	8:1

MEDIA: TB

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, maintain MK 153 83mm Rocket Launcher, in accordance with the references. (2111.02.12)

REFERENCE

REFERENCE #

- | | |
|---|----------------------|
| 1. Required Technical Information for Current M40 Series Sniper Rifle | TECH INFO M40 SNIPER |
| 2. Required Technical Information for On Hand Optical Devices | TECH INFO OPTICS |
| 3. Required Technical Information for Current .50 Caliber (SASR) | TECH INFO SASR |
| 4. Pre-Fire Inspection Small Arms Weapons Ordnance Material | TI 8005-24/20 |
| 5. M40A1 Sniper Rifle 7.62 | TM 05539C-23&P |
| 6. Ground Equipment Record Procedures | TM 4700-15/1 |

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX H - SMAW AND END OF COURSE TESTING

EXAM ID: 21110H04

HOURS: 14.00

TITLE: End Of Course Test (EOC)

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
L	0.40	8:1
X(P)	13.60	8:1

MEDIA: AIO, HO

TERMINAL LEARNING OBJECTIVE(S):

1. Given applicable resources, perform armory procedures, in accordance with the references. (2111.03.06)
2. Given applicable resources, maintain M9 9mm semiautomatic pistol, in accordance with the references. (2111.02.01)
3. Given applicable resources, maintain 12 gage series shotguns, in accordance with the references. (2111.02.02)
4. Given applicable resources, maintain 5.56mm service rifles, in accordance with the references. (2111.02.03)
5. Given applicable resources, maintain M203 40mm Grenade Launcher, in accordance with the references. (2111.02.05)
6. Given applicable resources, maintain M249 5.56mm Squad Automatic Weapon (SAW), in accordance with the references. (2111.02.07)
7. Given applicable resources, maintain M240 7.62mm machine gun variants, in accordance with the references. (2111.02.08)
8. Given applicable resources, maintain M2 .50 caliber machine gun variants, in accordance with the references. (2111.02.09)
9. Given applicable resources, maintain machine gun mounts, in accordance with the references. (2111.02.10)
10. Given applicable resources, maintain MK19 40mm machine gun variants, in accordance with the references. (2111.02.11)
11. Given applicable resources, maintain MK 153 83mm Rocket Launcher, in accordance with the references. (2111.02.12)
12. Given applicable resources, maintain M224 60mm mortar system, in accordance with the references. (2111.02.13)
13. Given applicable resources, maintain M252 81mm mortar system, in accordance with the references. (2111.02.14)
14. Given applicable resources, maintain ground ordnance optical devices, in accordance with the references. (2111.02.15)

REFERENCE

REFERENCE #

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX H - SMAW AND END OF COURSE TESTING

EXAM ID: 21110H04

HOURS: 14.00

TITLE: End Of Course Test (EOC)

- | | |
|---|----------------------|
| 1. Occupational Safety and Health Standards, Hazardous Communication | 29 CFR 1910.1200 |
| 2. Local Policies/Procedures | LOCAL POLICIES |
| 3. Management For USMC Training Institutions | MCO 1500.40 |
| 4. Marksmanship Training Individual Small Arms | MCO 3574.2 |
| 5. Reporting Missing, Lost, Stolen, or Recovered (MLSR) Government Property | MCO 4340.1 |
| 6. Physical Security for Arms, Ammunition, and Explosives | MCO 5500.13 |
| 7. Arming of Security and Law Enforcement (LE) Personnel and the Use of Force | MCO 5500.6 |
| 8. USMC Serial CNTL SM Arms Sys | MCO 8300.1 |
| 9. Radioactive Commodities DOD SYS | MCO P4400.105 |
| 10. USMC Technical Publications System | MCO P5215.17 |
| 11. Marine Corps Publications and Printing Manual | MCO P5600.31 |
| 12. Catalog of Publications | NAVMC 2761 |
| 13. Radiation Safety | NAVSEATM-50420-AA |
| 14. Physical Security Instruction for Conventional Arms, Ammunition, and Explosives | OPNAVINST 5530.13 |
| 15. Physical Security and Loss Prevention | OPNAVINST 5530.14 |
| 16. Small Arms Repairer Tool Kit | SC 518-95-CL-A07 |
| 17. Tool Kit, Small Arms Repairer | SL-3-00607A |
| 18. Overseas Shipment of Small Arms | TB 9-1000-247-34 |
| 19. Required Technical Information for Current 5.56mm Service Rifle | TECH INFO 5.56MM |
| 20. Required Technical Information for Current M40 Series Sniper Rifle | TECH INFO M40 SNIPER |
| 21. Required Technical Information for On Hand Optical Devices | TECH INFO OPTICS |
| 22. Required Technical Information for Current .50 Caliber (SASR) | TECH INFO SASR |
| 23. Pre-Fire Inspection Small Arms Weapon Ordnance Material | TI 8005-24/20 |
| 24. Infantry Weapons Gauge Calibration Exchange Program | TI-4733-15/11 |

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX H - SMAW AND END OF COURSE TESTING

EXAM ID: 21110H04

HOURS: 14.00

TITLE: End Of Course Test (EOC)

25. M2 Gun, Machine	TM 02498A-23&P
26. M40A1 Sniper Rifle 7.62	TM 05539C-23&P
27. Shotgun Riot Type M870 MK1	TM 07172A-15
28. Machine gun 40MM MK19 MOD 3	TM 08521A-23&P/2A
29. M240 Series Machine Gun	TM 08670A-23P/2A
30. Launcher, Assault Rocket 83MM (SMAW)	TM 08673A-25&P/2
31. SASR, 50 Caliber M82A1A	TM 09629A-23&P/2
32. Upgunned Weapon Station (UGWS)	TM 10004-25&P/2B
33. Pistol Semiautomatic 9mm M9	TM 1005A-23&P/2A
34. Shotgun M1200 Winchester	TM 1005A-303-14
35. M3P 50 Caliber Machine Gun	TM 1015-24&P
36. Night Vision Sight AN/PUS-4	TM 11-5855-213-24&P
37. Ground Equipment Record Procedures	TM 4700-15/1
38. Cannon Tube Evaluation	TM 9-1000-202-14
39. Machine Gun Mounts	TM 9-1005-13&P/1
40. M203 Grenade Launcher	TM 9-1010-221-24&P
41. Pullover Gauge Kit	TM 9-4933-258-13&P
42. FMF SASSY Using Unit Procedures	UM 4400.124

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX Z - ADMIN

EVENT ID: 21110Z01

HOURS: 8.00

EVENT: In Processing

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
ADMIN	8.00	8:1

MEDIA:

NOTE(S):

During this time period the Marine will fill out all necessary paperwork, receive a financial and medical brief, receive an academic in brief from the academic coordinator and receive command welcome aboard briefs from the CO and the 1stSgt.

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX Z - ADMIN

EVENT ID: 21110Z02

HOURS: 8.00

EVENT: Out Processing

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
ADMIN	8.00	8:1

MEDIA:

NOTE(S):

The students will receive their orders, check out of medical, dental, supply, and various organizations aboard APG.

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX Z - ADMIN

EVENT ID: 21110Z03

HOURS: 16.00

EVENT: Commanders Time

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
CMDR	16.00	10:1

MEDIA:

NOTE(S):

There are 17 sessions where commanders time will be implemented in the schedule for a total of 16 non-academic hours. During this time the Marines will conduct PT and have uniform inspections. The commanders time is only used during the Marine Unique portions of the school, A and F through H annex.

SMALL ARMS REPAIR (2111)

SECTION IV - CONCEPT CARDS

ANNEX Z - ADMIN

EVENT ID: 21110Z04

HOURS: 8.00

EVENT: Drivers Improvement Course

<u>METHOD</u>	<u>HOURS</u>	<u>S:I RATIO</u>
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GD	8.00	10:1
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MEDIA: TV, VCR, VT

NOTE(S):

In accordance with MCO 5100.19E all military personnel under the age of 26 will complete a course in traffic safety designed to establish and reinforce a positive attitude toward driving. Personnel will attend the Driver's Improvement Course (DIC) within the first 90 days after completion of recruit training or officer candidate school.

SMALL ARMS REPAIR (2111) PROGRAM OF INSTRUCTION

SECTION V - STUDENT PERFORMANCE EVALUATION

1. SCOPE. There are two measurement methods used at the Small Arms Repairman Course. Individual lessons are evaluated by either performance evaluation calling for the student to duplicate the job performance requirements or test items on written examinations given during class.
2. MASTERY LEARNING. The evaluative philosophy utilized in this course stresses student achievement of all learning objectives. Students must master 100% of all Terminal Learning Objectives (TLOs) presented during all periods of instruction. Evaluations are used to determine mastery of the learning objectives, and not rank order the students. While the Marines are in the ITRO portion (B, C, D, and E annex) of the course a minimum score of 70% is required to pass an exam, when the Marines are in the non-ITRO portion of the course the minimum score of 80% is required to pass an exam.
3. EVALUATION OF STUDENTS. Each student is evaluated on each annex's learning objectives before proceeding to the next annex. This is accomplished through written test items concerning the subject material and through informal observation of student performance during performance testing.
 - a. Written Evaluation. Knowledge-based learning objectives are evaluated by written examinations given throughout the course that contain written test items.
 - b. Practical Application. Students will be informally evaluated and provided feedback by instructors through observation of student performance during practical application.
 - c. Performance Evaluation. A performance test covering all performance based learning objectives is conducted at the end of each annex. Students are evaluated via a performance checklist completed by the instructors. Instructors evaluate student performance and provide feedback and remedial instruction. The student who does not master a given subject must exert more effort and will be given one additional opportunity to achieve mastery of the learning objectives through remedial instruction. It is the responsibility of the Small Arms Repairman Course staff to render assistance to each student needing help to achieve mastery.
 - d. A complete listing of all exams given can be found in section IV.

SMALL ARMS REPAIR (2111) PROGRAM OF INSTRUCTION

SECTION VI - DISTRIBUTION LIST

<u>DISTRIBUTION</u>	<u>QUANTITY</u>
CG, TECOM (C464)	3
CG Training Command (C475)	3
COMMARFORLANT	1
COMMARFORPAC	1
COMMARFORRES	1
Marine Corps Institute (MCI)	1